

21 Strains Over 20% THC

HIGH TIMES

June 4/9

**Growing
Granddaddy
Purp**

**Quicker
Cloning**

**LA Cup
Winners**

**HEAD CHEESE
THC ANALYSIS:
24.79%**

**Taking Traveler
Rick Steves**

**The Truth
About Adderall**

The
**STRONGEST
STRAINS
on Earth!**
2013

HIGHTIMES.COM

June 2013 USA \$5.99 / FOR \$5.99



seedsman™

10 Years of Service

Hi. We are Seedsman.

We've been selling **the best genetics** since 2003. Initially offering only our own brand, we now supply seeds from some of the world's other great seed banks. Thanks to our skilled team and fantastic customer service, we have quickly become one of the largest marijuana seed mega stores.

This year we're celebrating two special events. We now ship worldwide and it's our 10th birthday! And you know what that means - **MEGA AWESOME PROMOTIONS** at Seedsman.com.

Fresh Cannabis Seeds

Seedsman.com offers over 1000 strains from 40+ breeders from all around the world, including our own Seedsman Seeds brand.

Regular • Feminized • Auto-Flowering • Sativas
Indicas • Hybrids • Landraces • High THC
CBD Rich • Medical



+ many more seed banks

SECURE SHOPPING & PAYMENT



You have to be at least 18 years old to order cannabis seeds from Seedsman. It is an offence to cultivate any plant of the genus cannabis in most of the world without a licence from the secretary of state. Anyone committing an offence contrary to this section may be imprisoned or fined, or both. Seeds are sold as souvenirs only or for the preservation of genetics or in-case laws may change. It is your responsibility to check your local laws before ordering. Acquisition of live cannabis seeds is illegal in United States.

*Source: Seedsman Customer Satisfaction Survey, Jan 2013. For verification contact support@seedsman.com

Worldwide Stealth Delivery



Barney's - Acapulco Gold
£24.99 **£22.49** 5 seeds
(approx. \$34.10)



Greenhouse - Chem Dog
£18.32 **£16.49** 5 seeds
(approx. \$25.00)
Plus VAT (in the EU)



TGA Subcool - Jilly Bean
£27.07 **£24.37** 5 seeds
(approx. \$36.95)

FREE CANNABIS SEEDS
with every order*

*Minimum purchase of £25 (\$38) or single seeds pack for breeder specific promos applies

FREE SHIPPING

Special **FREE SHIPPING** Offer for
High Times Magazine readers.

Spend over \$100 and use the code:



HIGHTIMES

in 'cart view' to get your seeds
delivered free of charge.

www.seedsman.com



support@seedsman.com



SeedsmanSeeds



SeedsmanSeeds



HIGH TIMES JUNE



“Running a collective, at least in California, remains shrouded in a legal gray area, but that doesn’t stop Grand Daddy Purp’s strategic team from planning a far different future.”

—The Purps Patrol, page 64

| | |
|------------|---|
| 6 | Internet |
| 8 | Editor’s Letter |
| 10 | Letters |
| 12 | Contact High |
| 19 | Highwitness News Petition for Pot Prisoners, High Five and Global Beat |
| 27 | Entertainment Sublime, Rusted Root, Reviews and more! <i>Food (p.34)</i> <i>Clinic (p.36)</i> <i>Gear (p.38)</i> <i>Markets (p.40)</i> |
| 99 | Dear Danko |
| 106 | Ask Dr. Mitch |
| 108 | Adventures in the Counterculture |
| 110 | Almost Infamous |
| 112 | NORMLizer/FFOTM |
| 120 | Pix of the Crop |
| 126 | Next Month |
| 132 | The Pot 40 |

45 Earth’s Strongest Strains

Culled from lab results for all five High Times Cannabis Cups held in 2012, this cannabis compendium features only those strains that managed to exceed the coveted 20% THC threshold to achieve immortality in our Strongest Strains archive. *By Nico Escondido*

58 Ultimate Root Zone

Learn the secrets of building up a huge root mass early to increase yields and grow healthy, hardy pot plants. *By Baron Wasteland*

64 The Purps Patrol

Ken Estes of the Grand Daddy Purp Collective gets his operation ready to compete with Big Tobacco, Wall Street, corporate America and a new breed of high-flying pot entrepreneurs. *By David Bienenstock*

77 Bye-Bye LA, Hello San Berdoo!

In February, the Second Annual High Times Medical Cannabis Cup took place in San Bernardino and proved once again that California is the nation’s capital of cannabis commerce.

82 Adderall: America’s Favorite Amphetamine

Grade-school children and college students all take Adderall, but what is it? A miracle pill or just an amphetamine with a marketing team? *By James L. Kent*

90 High Times Interview: Rick Steves

To celebrate Washington’s legalization, nationally renowned PBS and NPR travel guru Rick Steves invited *High Times* to spend an afternoon chatting in his living room—alongside an ounce of legal cannabis. *By David Bienenstock*

Pharmazie on Glass



2013

The Med+ainer

HIGH TIMES DIGITAL



Saki Bomb explodes on the glass scene.

► Glass Artist of the Month

Saki Bomb may be the only Japanese female pipe maker in the world! Hailing from the countryside in Japan, Saki Bomb found pipe making in 2006 in Southern California, five years after arriving in the States. She was introduced to glass pipes by experiencing simple, everyday life in Southern California. She always loved to smoke and attributes her motivation to become a glassblowing artist to her affinity for cannabis. She was fortunate to meet some of the industry's top glassblowers. They mentored her, and she rapidly picked up techniques and developed her skills. As Saki Bomb became involved with pipe making, she looked around and realized that there was a distinct lack of female presence on the scene. She purposely focused her work on a more feminine style that would appeal more to the female smoker.

Saki Bomb's work always ignites lively discussion. Her ability to convey a whimsical emotion through glass pipes appeals to every demographic. Though she refrains from calling herself an "artist," her pieces possess a consistently clever narrative.

The glass industry also allows Saki Bomb to work with friends. She especially enjoys creating functional objects that not only appeal to her, but that she can also use. She also admits, "The best thing about being a pipe maker is that I can replace and fix my pieces." Check out her work at hightimes.com/glass.



► Video Contest

Are you a filmmaker? Then enter our contest. Submit a video that expresses your love of cannabis. It can be fiction, documentary, fantasy—whatever! *Get your contest rules at hightimes.com/videocontest.*

► News Hit

Find out what's happening in our world right now! Check out our newest *High Times* podcast. Host Mike Hughes brings you top news stories from the cannabis scene. *Listen at hightimes.com/newshit.*



Miss June 2013

NAME: **Kamille**
 PROFILE: **eyecandy88**
 AGE: **23**
 CITY: **Vancouver, BC, Canada**
 OCCUPATION: **Student, artist**

To enter or rate contestants, go to misshightimes.com. You must be 18 years or older to enter.

POT POLL

What's Your Stoner Activity?

"On a run-of-the-mill, uneventful day, what do you normally do after getting high?" Our recent poll question received over 1,700 answers. Several respondents complained that there was no choice for stoners who like to get creative. Sorry about that. Regardless, the majority of you said that watching TV, playing video games and Web surfing please you most. We say: "Creativity comes in all forms!" Check out our new poll, which asks when you first tried pot, at hightimes.com/polls.

- Watch TV...20%**
- Play Video Games...20%**
- Surf the Web...15%**
- Go Outdoors and Play...13%**
- Do Chores/Housework...10%**
- Get Cuddly With Your Sweetheart...7%**
- Work Out...6%**
- Do Errands...3%**
- Read...3%**
- Sleep...3%**



THE EVOLUTION OF CANNABIS SEARCH



weedfinder

EXPLORE

The World's Largest Cannabis Industry Resource



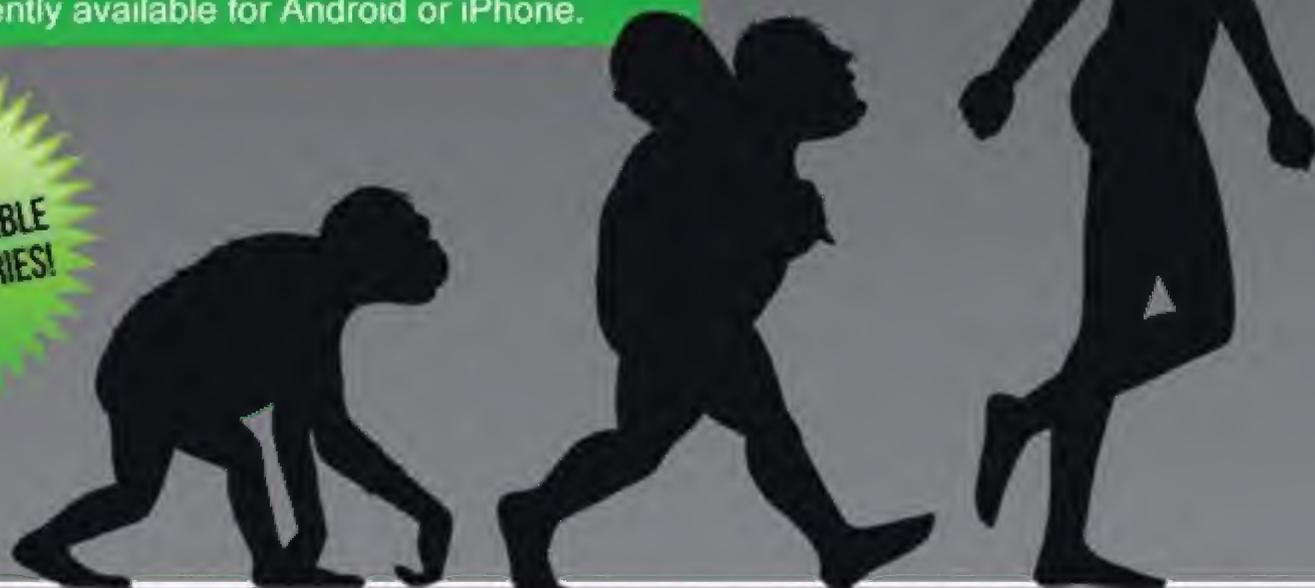
BROWSE

For Cannabis Dispensaries, Deliveries, Doctors, Grow Stores, Attorneys, Events, Smoke Shops and Pipe Retailers, Seed Banks, Non-Profit Organizations, Classifieds, and more...

DOWNLOAD

the Weedfinder App for FREE!!!!!! And have The World's Largest Cannabis Industry Resource in your pocket. Currently available for Android or iPhone.

FREE
LISTINGS AVAILABLE
IN ALL CATEGORIES!



WWW.FACEBOOK.COM/WEEDFINDER



WWW.TWITTER.COM/WEEDFIND

WWW.WEEDFINDER.COM
888-802-WEED

Earth's Strongest Strains and You

What's become known simply as "The List" has grown immensely in popularity since its debut this time last year. "Earth's Strongest Strains" has been the hottest story on our website for months now, creating such a buzz—and perhaps even a little controversy—that it has now become a perennial feature in the magazine and a reference point for fine-cannabis connoisseurs around the world.

Indeed, the "Earth's Strongest Strains" series is an offshoot of our Cannabis Cup competitions, now held multiple times a year in the United States and Europe, making it a truly international celebration of superior genetics, good horticulture and marijuana in general. More than that, "The List" is a testament to the evolution of our Cup competitions and the new judging and scoring systems that have been implemented over the past couple of years.

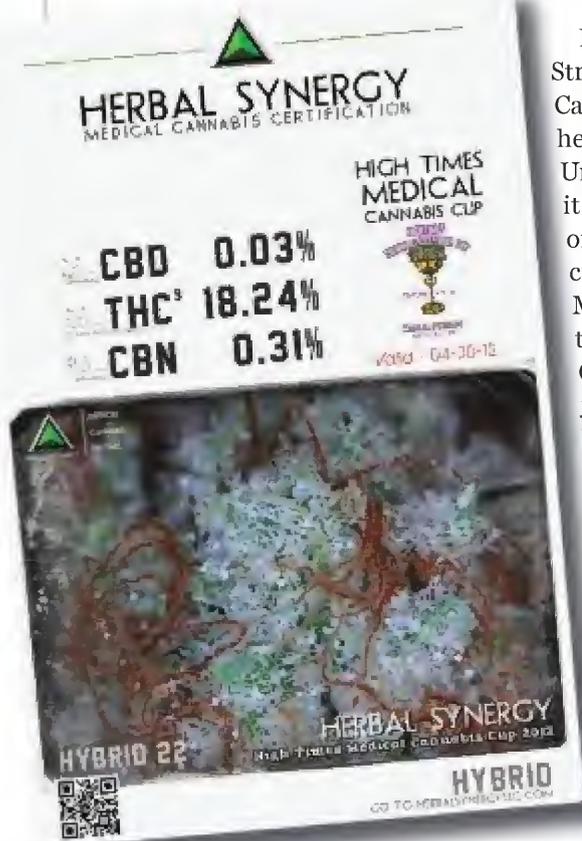
Taking advantage of technological advances, we now employ the best canna-labs the world has to offer as part of the judging system for our various Cups. And we use these results to compile the "Earth's Strongest Strains" list and scientifically determine which strains are, in fact, the most potent on the planet.

We've come a long way for sure, amigos, but we're not

there yet! There is still so much we need to unravel regarding the mysteries of this plant. One day soon, we'll be incorporating terpenoid analysis into our scoring system, and at some future point, we'll know exactly how these terpenes work in conjunction with THC, CBD and the many other cannabinoids to affect a strain's overall high and potency. One day, we'll be able to measure exactly how well a flower was grown using detailed lab analysis, and we'll even be able to genetically engineer—or at least modify—the exact markers of genotypes to produce an absolutely perfect bud. Then again, if you're a true lover of cannabis, you probably already know that the perfect bud is whichever one you happen to be smoking!

Enjoy this year's edition of "The List," and remember: Stay united, keep pushing forward, and never, *ever* put down that phatty!

Nico Escondido
Cultivation Editor



Cannabis Cup lab report from Herbal Synergy, Denver.

HIGH TIMES

EDITOR-IN-CHIEF
Chris Simunek

MANAGING EDITOR
Jen Bernstein

ART DIRECTOR
Frank Max

SENIOR EDITOR
Bobby Black

SENIOR CULTIVATION EDITOR
Danny Danko

CULTIVATION EDITOR
Nico Escondido

COPY EDITORS
Pablo Morales
Rick Szykowny
Matthew Woods

CREATIVE DIRECTOR
Steven Hager

PRODUCTION DIRECTOR
Elise McDonough

PRODUCTION MANAGER
Tyler Stewart

CONTRIBUTORS
Paul Armentano,
Bianca Barnhill,
David Bienenstock,
Crazy Composer,
Big Croppa, John
Fortunato, Mel Frank,
Freebie, Jon Gettman,
Andre Grossmann,
Brian Jahn, K of Trichome
Technologies, Kris Krane,
Kyle Kushman, Lochfoot,
Mark Miller, MzJill,
Samantha Nicholas,
Michael Simmons,
Stinkbud, Allen St. Pierre,
Subcool, Polly Watson,
Katy Winn

Founding Publisher/Editor
Thomas King Forçade
1945-1978

TO SELL HIGH TIMES, CALL: (800) 998-0739
EMAIL: sellht@hightimes.com

TRANS HIGH CORPORATION

HIGH TIMES June 2013 No. 449 (ISSN #0362-630X), published monthly by Trans-High Corporation, 250 West 57th Street, Suite 920, New York, NY 10107 • HIGH TIMES and Trans-High Corporation do not recommend, approve or endorse the products and/or services offered by companies advertising in the magazine or website. Nor do HIGH TIMES and Trans-High Corporation evaluate the advertiser's claims in any way. You should use your own judgment and evaluate products and services carefully before deciding to purchase. • Mail subscriptions (payable in US funds) and changes of address (please include most recent mailing label) to PO Box 422560 Palm Coast, FL 32142-2560 • Offices at 250 West 57th Street, New York, NY 10107 • Periodical postage paid at New York, NY, and at additional mailing offices • Manuscripts must be accompanied by a self-addressed stamped envelope • All contributions will be carefully considered, but the publishers and editors assume no responsibility for loss or injury to unsolicited material • Copyright © 2013 by Trans-High Corporation. Nothing in this publication may be reproduced in any manner, either in whole or in part, without specific written permission of the publisher. All rights reserved. "HIGH TIMES," "CANNABIS CUP," "MEDICAL CANNABIS CUP," "MISS HIGH TIMES," "PIK OF THE CROP," "POTCAST" and "BONGHITTERS" are trademarks and registered trademarks of Trans-High Corporation. All advertising and advertised products void where prohibited. POSTMASTER: Please send address changes to HIGH TIMES, PO Box 422560 Palm Coast, FL 32142-2560

PRINTED IN THE USA

NEW

HI-TokE

Solar Charger

CHARGES ANY

Case

-VAPE PEN

-PHONE

-USB DEVICE

RELEASE DATE

4/20

PREORDER YOURS

Now @

VAPORDONESHOP.COM

URBNMUSTARDCREW.COM

BROUGHT TO YOU

BY URBN MUSTARD CREW

TORIE

it up



Wake Up, Stoners!

Mike Males probably needs another research assistant! Especially if he's serious about his comment in your article "Season of Green" (March 2013), in which he states: "What is it about marijuana that inspires such dramatically increased policing and severe criminal-justice discrimination?" Well, to that point:

1. As Terence McKenna would have so eloquently pointed out, he who controls the parameters of consciousness controls the perception of reality! Just how many marijuana-using young people are likely to run out and join the Hitler Youth, or some sanitized American version of such? Most people using weed would likely prefer a trip to Baskin-Robbins to a tour in Afghanistan!

2. Incarceration is one of the fastest-growing markets in our system of "disaster capitalism." Think of all the private-prison parasites out there building prisons as fast as they can for fun and profit. And who you gonna put in them? You guessed it! The innocent people you make into criminals simply by passing a "law." This practice goes way back: The great Old Testament prophet Isaiah condemned those "who make a man an offender by a word, and lay a snare for him who reproves in the gate, and turn aside the just by empty words" (Isaiah 29:21). These are the ones who enjoy filling their pockets with the lucre of other people's pain and sorrow (not forgetting that cheap \$1-to-\$2-an-hour prison-labor pool!).

3. They need to keep "drugs" illegal so they can finance "black ops" campaigns and further enslave the masses for their own profit—and to satisfy their power hunger—with the hard-earned dollars of the masses themselves. They are the personification of evil!

4. They don't want people to have access to an herb that has the proven potential to put many of the drug pushers of Big Pharma out of business. How many people will Big Pharma be allowed to slowly murder or kill outright with their poisonous drugs before the masses awake and call for their overthrow? The time is close, and they are running out of options.

Terry

High Times for My Phone?

I just wanted to suggest a mobile app for Android (and, yes, for the iPhone also—boo!).

David

Hey, David, you can currently get *High Times* on Zinio, and they have an app for Androids, iPhones and BlackBerries.



As Terence McKenna would have so eloquently pointed out, he who controls the parameters of consciousness controls the perception of reality!

Who Are the Real Drug Dealers?

Once upon a time, in a tropical land known as Florida, there was a highly confused young girl. That girl was me. I started my journey in an institution at the tender age of 13, where I was diagnosed with manic-depressive disorder. (Later it was given the fluffy name "bipolar.") I spent about 30 days in rehab, where I was given Zoloft. It was meant to "fix" the hurt I had endured. It was decades later that I understood it is okay to hurt. Feeling sad is a normal part of life.

While in this "hospital," I learned all sorts of new criminal and sexual ideas from the influence of my fellow patients. I went from a girl who smoked pot and occasionally did LSD to a full-fledged drug and sex addict. From there I turned into a *homeless* hardcore drug addict, but with intermittent readmissions to the "hospital," each time leaving it with a stronger designer drug courtesy of Big Pharma. And each time the results were more disastrous than the last. Here is the thing about psychiatric medications: They have all sorts of appalling side effects, ranging from nausea to hives to periods of manic, soaring thoughts to involuntary muscle movements (sometimes permanent), among others. All of the traits that Big Pharma assures you its wonder drugs will stop, they will sometimes

Send your letters to
Feedback c/o
High Times, 250 West
57th St., Suite 920,
New York, NY 10107
Email: hteditor@
hightimes.com

enhance and most assuredly add to the patient's list of problems.

At one point, I spent three days in a coma. Shortly after I came home, my friend said to me: "Why don't you just smoke?" (meaning marijuana). But I was afraid to smoke pot. Instead, I suffered alone with my thoughts. I grew to the point where I struggled to speak to other people. Suicide was a constant thought: Just be done with it. This went on for maybe a year.

Then I ran into an old friend. We went back to her house and smoked pot. All of a sudden, the chains that had held me so tightly began to loosen. The fear was gone. The ability to sit, to talk, even to laugh, rushed to the surface—along with the ability to just *be still*. That stillness was/is something you truly can't appreciate until you've lost that ability. No more fidgeting, wiggling or tapping—I was able to be still and enjoy my surroundings. The

screaming ladies in my head were quiet for once. My own inner voice could be heard.

Right then and there, I knew what I had to do: I was going to become a "criminal" to save my life. It has been several years since the day that I was freed. But now I have a new fear: the fear of being arrested and having my children taken from me. I don't want to be a criminal. I don't want to be afraid that smoking a beneficial plant that grows in nature will put me in a cage. I fear returning to the pills that kept me sick. With marijuana, life is so much easier for me: I can relax, play outside, go to the grocery store and speak to other people. I can sleep through the night. I can be human, a wife and a mother.

If a plant can cure me, should I be locked in a cell for using it? A plant that helps so many and has never killed a single person is considered to have no medicinal value, yet Big Pharma puts out "medicine" with side effects that can kill you, and it's readily available—even pushed with force—to the world.

I am begging everyone who reads this to please contact your local politicians and urge them to support legalizing marijuana. Write your own letter! Together, we can heal our nation.

Anonymous



A Better Grow Box Means *Better Crops.*

Crafted from medical-grade powder coated aluminum, our *premium grow equipment* delivers incredible crops in a compact space. Industrial strength construction far exceeds the durability and performance of traditional steel or plastic grow boxes, giving you a lasting growing appliance.

Essential Gear For Serious Growers

BC Northern Lights builds grow equipment that is built for growing, makes sense to use, and is safe to operate.



Easy to use, quality equipment makes growing simple & our 365 day a year grow help ensures results



Hardcore medical-grade construction is built by hand from scratch for a long lasting, easier life



7 time stash award winners

Call Us And Start Growing

1.888.236.1266



BC Northern Lights

www.BCNORTHERNLIGHTS.com





SURF'S UP! At the Medical Cannabis Cup in San Bernardino, CA, Redman's spirits were so high that he dove into a sea of stoners and crowd-surfed for a full 10 minutes! Later, The Game and Red shared a joint onstage and rapped: "I Wanna Get Fucked Up." Read all about the Cup on page 77. *Photo by Dan Skye*

**Contact
High**



**Contact
High**

THE BUSINESS OF PURPLE For Ken Estes, growing Granddaddy Purp is not a hobby or a way to make cash on the side, but a full-fledged, legal business. The demand for this signature strain has made the Granddaddy Purp Collective one of the premier medical providers in California. With legalization on the California ballot this November, Estes looks to the future. Page 64. *Photo by Lochfoot*





Contact High

BEHOLD SOCAL'S FINEST NUGGETS Take a closer look at the winners of the marijuana flower categories at the High Times Los Angeles (San Bernadoobie) Medical Cannabis Cup. These shiny strains rose above all the others to win top honors for visual aesthetics, scent, flavor, burnability and, of course, potency. *Photos by Lochfoot*

BEST BOOTH

- 1 - Cali Connection
- 2 - TGA Seeds
- 3 - Alpha Medic

BEST PRODUCT

- 1 - VapeXhale
- 2 - Pulse Glass
- 3 - Cloud Vape

BEST GLASS

- 1 - Pure Glass
- 2 - TIE
Bumblebee Torchtube by Banjo for Hitman Glass
Pulse Glass

BEST EDIBLE

- 1 - Blackberry Dark Chocolate Bar by River City Phoenix/ Kiva Confections
- 2 - Sweet Stone Gummy Bears by Magnolia Wellness
- 3 - Strawberry Lemonade by Buds and Roses/ The Venice Cookie Company

CBD AWARD (For highest level of CBD)
Harlequin Shatter by Magnolia Wellness

BEST CONCENTRATE

- 1 - Honey B OG Nectar by Green Coast Deliveries
- 2 - The Wheezy by IECC

3 - Tan-G Shatter by Fresh Off the Bud Extractions

BEST HASH

- 1 - Lemon OG Solvent-less Wax BAMF Extractions by Buds and Roses
- 2 - Tangerine OG Solvent-less Wax by Greenest Green LA/ Essential Extracts
- 3 - Dairy Queen Solvent-Free Wax by "The Real" Medical Collective.

BEST HYBRID

- 1 - Girl Scout Cookies by Life Is Good
- 2 - Veganic Tahoe OG by Buds and Roses
- 3 - Banana OG by Cool Calm Collective

BEST INDICA

- 1 - Godfather OG by Alpha Medic
- 2 - OG Eddy Lepp by 3rd Gen Family
- 3 - Grimace OG by Archive Seedbank

BEST SATIVA

- 1 - Tanj by Reserva Privada
- 2 - Veganic Ghost Train Haze #1 by Buds and Roses
- 3 - Red Congolese by Magnolia Wellness

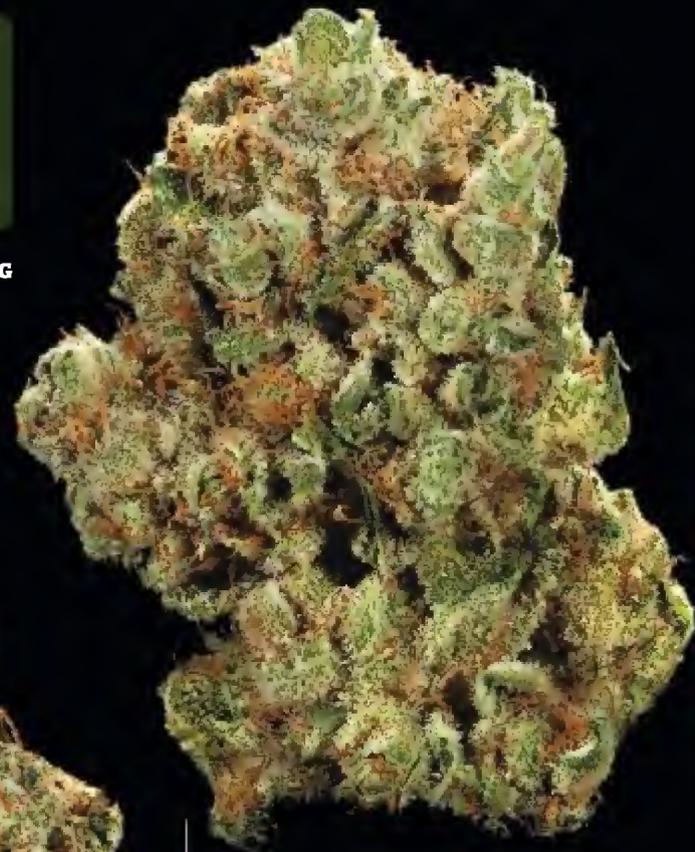
VEGANIC TAHOE OG

(Buds and Roses)



BANANA OG

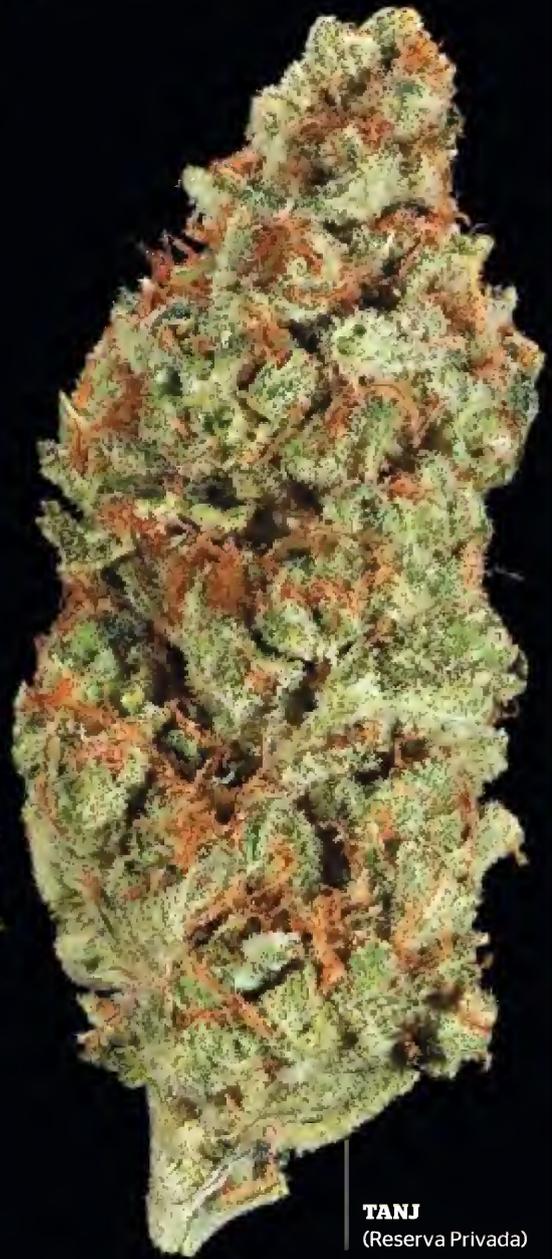
(Cool Calm Collective)



GIRL SCOUT COOKIES
(Life Is Good)



GRIMACE OG
(Archive Seedbank)

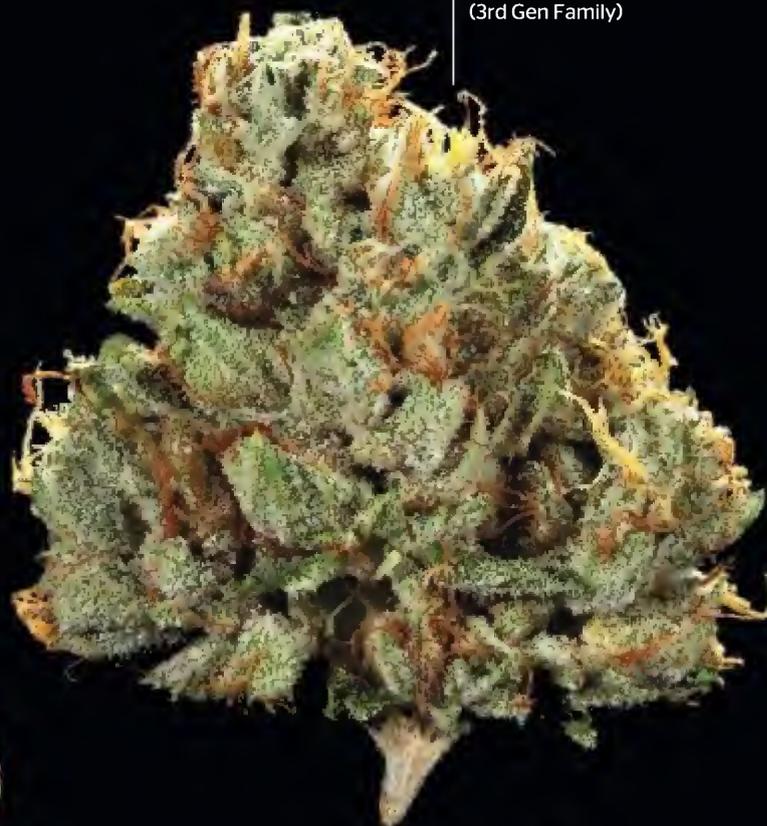


TANJ
(Reserva Privada)

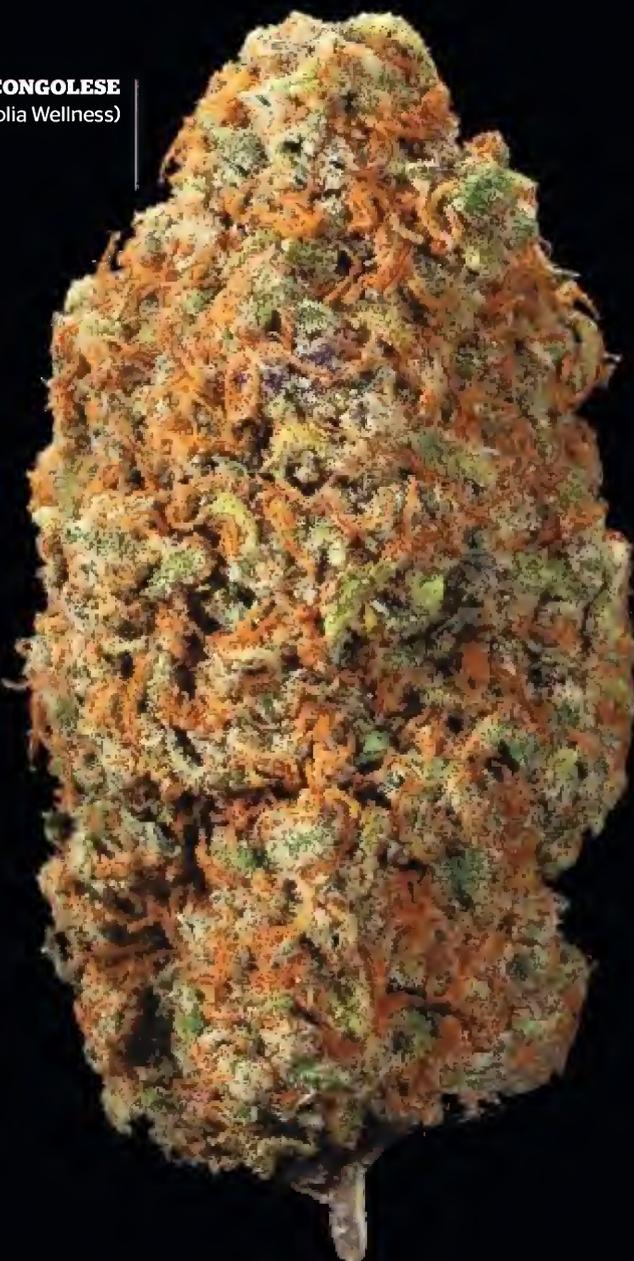
GODFATHER OG
(Alpha Medic)



OG EDDY LEPP
(3rd Gen Family)



RED CONGOLESE
(Magnolia Wellness)



VEGANIC GHOST TRAIN HAZE #1
(Buds and Roses)





**NEED TO TEST?
DON'T MONKEY AROUND!
GET SERIOUS AND GET THE BEST!**

MONKEY DONG

The **MONKEY DONG** is a unique strap-on urinating device that has a **NATURAL PROSTHETIC PENIS!** The kit includes one sample of **SYNTHETIC URINE** (if needed), 4 **ORGANIC HEAT PADS** (enough for 4 tests), an **EASY-TO-READ TEMPERATURE STRIP**, a **CALIBRATED SYRINGE** for easy filling, and **DETAILED INSTRUCTIONS.**



- SILENT INTERNAL VALVE CAN BE OPERATED WITH ONE HAND!
- FITS UP TO A 52" WAIST!

MONKEY FLASK

only \$24.95!



The **MONKEY FLASK's** unique design, with a **Safety Sealed Flip Top Cap**, contains 3.5 oz. of the **Highest Quality Pre-Mixed Synthetic Urine**, that allows for discreet concealment and ensures proper heating for up to **8 Hours!** Also includes 1 **Self-Adhesive Heat Pad**, **Easy-To-Read Temperature Strip** and **Detailed Instructions.**

THE MOST DISCREETLY CONCEALED BOTTLE!

MONKEY WHIZZ

THE WORLD'S BEST SELLING "URINE SUBSTITUTION KIT!"

only \$39.95!

Each **MONKEY WHIZZ** kit contains 3.5 oz. of the **Highest Quality Pre-Mixed Synthetic Urine**, **Vinyl Bladder**, **100% Cotton Elastic Belt**, **Two Organic Heat Pads**, **Easy-To-Read Temperature Strip** and **Detailed Instructions.**



**BEST PRODUCT! CHEAPEST PRICE!
GUARANTEED TO BEAT THE TEST!**

**1-800-936-1070
SERIOUSMONKEYBIZZ.COM**

- SAME DAY SHIPPING
- ALL MAJOR CREDIT CARDS ACCEPTED

Highwitness News

Oscar Buzz for Jennifer Lawrence!



Entertainment

Sublime Shines On

Blazing a new trail with a new member. p.27



Food

A Smokin' Smoothie

Go bananas with this nutritious treat. p.34



José Huizar's control of dispensaries has been ham-fisted and backward.



Council of Dunces

The Los Angeles City Council has demonstrated hypocrisy, buffoonery and political cowardice in its attempts to deal with medical marijuana.

In the first decade of the medical cannabis era, the Los Angeles City Council didn't pay much attention to the dispensary issue—as late as 2005, there were still only four documented dispensaries on the ground in the nation's second-largest metropolis. But two years later, there were 182 registered dispensaries in LA, and the City Council was obliged to take up the issue. However, instead of providing protections and sensible regulations for a burgeoning industry that was creating new jobs and tax revenues during the worst economic conditions since the Great Depression, the Council imposed an ill-advised moratorium that has pitted the city's dispensaries against each other.

There has always been a measure of sympathy expressed for medical pot patients by certain City Council

members, such as Paul Koretz (D-5th District) and Bill Rosendahl (D-11th, which includes dispensary-laden Venice). But a majority of the Council, led by the reactionary José Huizar (D-14th), has been far less sympathetic to the need for dispensaries.

As a result, the Council passed its "interim control ordinance" (ICO) in 2007, the now-infamous dispensary moratorium that established September 14, 2007, as the cutoff date, with the 182 dispensaries that had registered with the city prior to that time being allowed to remain open. However, the ICO proved toothless, as new dispensary owners quickly discovered a loophole: Because the Council had failed to rule on the status of their applications, these dispensaries could claim a "hardship exemption" that prevented the city from prosecuting them. By 2009, 508

dispensaries had claimed the exemption and were up and running.

Not only did the ordinance fail to prevent the proliferation of pot shops in LA, but it ended up pitting the original 182 dispensaries (referred to as the "pre-ICOs") against the hundreds of newer stores ("post-ICOs") that began providing medicine after the Council's moratorium. The division created by the Council left both sides at odds and unable to compromise on mutually beneficial regulations.

For years, the Council, led by Huizar, attempted to control the spread of dispensaries in a number of ham-fisted and backward ways. The issue came to a head in July 2012, when the Council voted unanimously (14-0) to ban all registered dispensaries in the city, even as 10 of its members voted in favor of another ordinance to regulate them. This was a prime example of the Council attempting to placate the anti-pot forces (primarily law enforcement and city officials) while simultaneously appeasing the pro-medical-cannabis majority among its constituents.

The ban would have eliminated all of the city's dispensaries but would also have allowed legal pot patients to form three-person collectives and grow their own medicine. The latter provision was termed the "gentle ban," which Don Duncan of Americans for Safe Access blasted as "a cynical, face-saving measure giving nothing back in return."

As the ban took effect in July 2012, another tantalizing twist in the drama occurred, when pro-dispensary Councilman Bill Rosendahl publicly revealed that he was a legal medical pot patient, using the herb to treat neuropathy and pelvic cancer. According to Duncan, this admission "made it difficult for his colleagues to speak out against medical cannabis ... medical marijuana isn't a serious issue until it touches someone you know and love," and after Rosendahl's admission, "the Council wasn't immune to it."

Interestingly, the elected official who was behind the flawed "gentle ban," as

« well as the prime mover behind the Council's anti-medical-pot agenda, is LA City Attorney Carmen "Nuch" Trutanich. Yet despite repeatedly advising the Council to enact the ban—and despite wielding a disproportionate amount of influence on the issue, even though he's not a Council member—Trutanich's involvement has been inexplicably underreported.

Upon assuming office after a runoff election in 2009, Trutanich almost immediately declared his opposition to the existence of dispensaries, convincing the Council to drop a regulation ordinance it had been working on in cooperation with dispensary advocates. (He also argued, unsuccessfully, that dispensaries should be prohibited from accepting cash.) But Nuch's hardline anti-pot advocacy had an unexpected result: Almost immediately after the Council's 2012 ban passed, the LA medical marijuana community sprang into action, raising funds and collecting enough signatures to place a referendum on the March 2013 ballot overturning the ban. Rather than face the costs of such a measure and the political embarrassment involved, the Council rescinded its ban a mere three months later.

Medical marijuana advocates opined that the Council's members (backed by Trutanich) had decided to drop the ban

to appease their constituents, while saving face with the anti-pot establishment by allowing the federal government to do their dirty work for them, as the Feds' dispensary crackdown continued via forfeiture lawsuits and raids. (The DEA raided three more LA dispensaries in separate districts on January 9.)

As we go to press, it appears the solution will once again arrive at the ballot box, with three competing measures

“Medical marijuana isn't a serious issue until it touches someone you know and love.”

slated to appear before voters in May 2013. The opposing dispensary factions have sponsored two of those measures, with one allowing only pre-ICOs (the original dispensaries) to remain in operation and not raising taxes, and the other permitting any dispensary (including post-ICOs) to stay open if it meets certain requirements. The latter measure would raise pot taxes from \$50 to \$60 for every \$1,000 in sales.

Predictably, however, the Council declined to endorse either proposal and

on February 5 gave final approval to its own ballot referendum. The City's initiative is something of a compromise between the pre- and post-ICO measures as it would only allow pre-ICO dispensaries to remain in operation and it would raise the tax on marijuana sales. The initiative also sets a legally required distance from schools and churches that dispensaries must observe.

While all three proposals will appear on the May ballot, the groups behind the pre-ICO measure – including the Greater Los Angeles Collective Alliance and Americans for Safe Access LA – announced they will now support the City's proposal as it has the best chance of passing.

City Attorney Trutanich threw his support behind the City's proposal prior to his March 5 bid for reelection. However, it was not enough to fend off opponent Mike Feuer who received 44 percent of the vote to Trutanich's 30 percent. The two will now face each other May 21.

It remains to be seen whether the support of medical cannabis advocacy groups will sway voters in the direction of the City's proposal—but either way, it is clear that medical marijuana dispensaries are here to stay, despite the best (or worst) efforts of the Los Angeles City Council. ✨

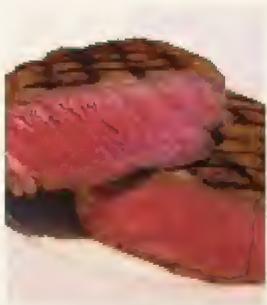
HIGH FIVE

Totally Sick Medicine

Cannabis continues to demonstrate its effectiveness in treating all kinds of ailments.



Tourette Syndrome
This neuropsychiatric disorder affects up to 4 percent of all children. For those afflicted, it's a nightmare ordeal of embarrassing and involuntary motor and verbal tics. A 2003 study found that patients receiving THC therapy for six weeks experienced a significant reduction in tics. The plant's cannabinoids modulate the behavior of the pertinent neurotransmitters in the brain.



Mad Cow Disease
Infected cow meat can cause humans to be fatally stricken with "variant Creutzfeldt-Jakob Disease" (vCJD). The brain becomes sponge-like and full of holes. In 2007, researchers found that the nonpsychoactive compound cannabidiol (CBD) may prevent "mad cow disease" by inhibiting the formation of infectious proteins called prions. This result has been seen in infected mice and sheep.



Sleep Apnea
The sleep disorder associated with snoring can actually lead to premature death. A 2002 study found that THC and the endocannabinoid oleamide significantly suppressed sleep apnea in rats by blocking serotonin induction as well as stabilizing respiration during sleep. And, needless to say, it's been known for at least a few eons that pot improves the quality of sleep for most people.



Herpes Simplex
This lifelong and unsightly viral disease may be managed by medical marijuana. A 2004 University of South Florida in vitro study found that small doses of concentrated THC inhibited the herpes virus in tissue cultures, specifically by targeting the gene labeled ORF 50—thus preventing viral replication, by which the virus lives on in the cells of its host.



Social Anxiety Disorder
In a study from the University of São Paulo (Brazil) published in 2011, researchers tested the use of CBD on a dozen patients afflicted by social anxiety disorder and found that it reduced their anxiety, cognitive impairment and discomfort in speech performance when compared with a control group that received only a placebo.



Royal Queen Seeds

ALL OUR SEEDS ARE FEMINIZED



FREE SEEDS WITH EVERY ORDER!

VIEW ALL STRAINS ON WWW.ROYALQUEENSEEDS.COM

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD

[facebook.com/RQSeeds](https://www.facebook.com/RQSeeds)
twitter.com/royalqueenseeds



ORDER@ROYALQUEENSEEDS.COM
TEL: +31 (0)73 54 79 916
WWW.ROYALQUEENSEEDS.COM

Royal Queen Seeds will only sell its cannabis seeds and similar products to those who are at least 18 years old. Unless you are specifically granted a licence from the Secretary of State, then it is an offence to cultivate the any plant from the family Genus Canabis. Anyone who acts contrary to this law and decides to commit the offence can be imprisoned, fined or both. Royal Queen Seeds products are not sold to encourage the breaking of laws and are sold with the express purpose of preserving genetics, as souvenirs or incase the laws should change. Royal Queen Seeds does not condone the breaking of any laws and it is your responsibility to check your local laws, import and custom regulations before ordering. It is illegal in the United States to acquire live Cannabis Seeds by any means.



The Stoner Cough

"If you don't cough, you don't get off." It's a stoner axiom as old as roach clips, one that implies that coughing after inhaling actually increases the high a person experiences. Informal online surveys and anecdotal accounts show that roughly four out of five smokers believe that experiencing a strong cough enhances your hit. But is it true?

Some folks postulate that coughing dilates the bronchioles of the lungs, thereby speeding the absorption of inhaled THC into the bloodstream. However, cannabis researcher Dr. Robert Melamede notes that no clinical studies have been done on the subject. He subscribes to the other popular theory: that coughing creates a dizzying "head rush" effect similar to standing up too quickly. (Interestingly, Dr. Melamede says he no longer smokes these days and consumes only edibles, yet finds that his high is still magnified when he coughs—on edibles alone.)

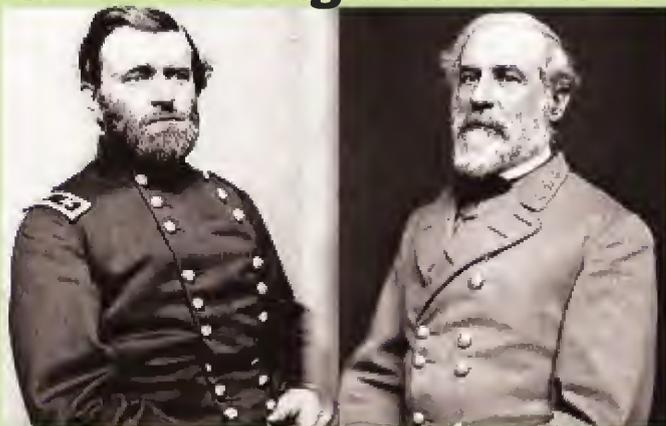
Then again, maybe the effect is simply due to the fact that the more smoke you inhale, the stoned-er you get (because more THC is entering your body), and that you're more apt to cough because of it.



Pot Gardens Get Greener

As solar energy becomes more popular, it was inevitable that pioneering cannabis cultivators would begin to "go green to grow green" by utilizing solar power. An added perk is that solar energy allows growers to stay off the grid and bypass detection by utility companies monitoring spikes in electrical usage. For the past few years, the focus has been on domestic cultivators in the western US turning to solar. But as reported in the *Daily Mail*, the first known instance of a grower using solar power took place in the United Kingdom, following the bust of a cultivation warehouse in the tiny village of Small Dole. Three people were arrested after the bobbies discovered an estimated 500 plants and, unexpectedly, 115 solar panels on the warehouse roof providing the energy to light them—a rather ambitious effort for pot cultivators in foggy olde England. We trust the authorities will hand down reduced sentences to those growers for maintaining an eco-friendly garden.

Civil War High Command



In what has to be one of the first celebrity endorsements—and definitely one of the first celebrity *marijuana* endorsements—in US history, cannabis historian Chris Bennett has unearthed an ad from the early 1860s for cannabis edibles (branded back then as "Hasheesh Candy") featuring testimonials from the famed Civil War generals Ulysses S. Grant and Robert E. Lee.

According to the ad, Union General (and future president) Grant declared that Hasheesh Candy "is of great value for the wounded and feeble, and that it is harmless," while Confederate General Lee proclaims: "I wish it was in my power to place a dollar box of the Hasheesh Candy in the pocket of every Confederate soldier, because I am convinced it speedily relieves debility, fatigue and suffering."

Bennett says the ad appeared in a journal called *The Good Samaritan and Domestic Physician*, which was actually just a pamphlet distributed by one Dr. E. Andrews to promote his Hasheesh Candy. The ads were also featured in Sears Roebuck catalogs and listed dozens of maladies that the hash candy was effective in treating.



J-Law inhales for victory.

Lawrence Tokes {Yawn}

Normally when you hear the phrase "Oscar buzz," it means that the media is talking about possible Academy Award nominations for a movie star. From the moment Jennifer Lawrence appears in *Silver Linings Playbook*, she lights up the screen. Oscar buzz for the flick was immediate and Lawrence ended up in winning a well deserved Oscar for Best Actress. A week later, she created a new Oscar buzz when she was she was snapped puffing a joint while in Hawaii. The best thing about the story? Everybody in the world responded with a collective "So what?"



Attention, K-Mart Stoners

Just a couple of months after Washington State legalized recreational marijuana, the retail discount chain K-Mart added pot to its inventory in Seattle! (We wish.) In truth, a wayward shipment of weed was discovered by K-Mart employees in their store-room. It had been wrapped in Korean newspapers and doused with cleaning fluid. The 10 pounds of pot had been shipped from Los Angeles, where medical marijuana is legal, to Philadelphia, where all pot is criminalized. The pot wound up at the Seattle K-Mart because the store was listed as the return address, obviously to disguise the identity of the sender.

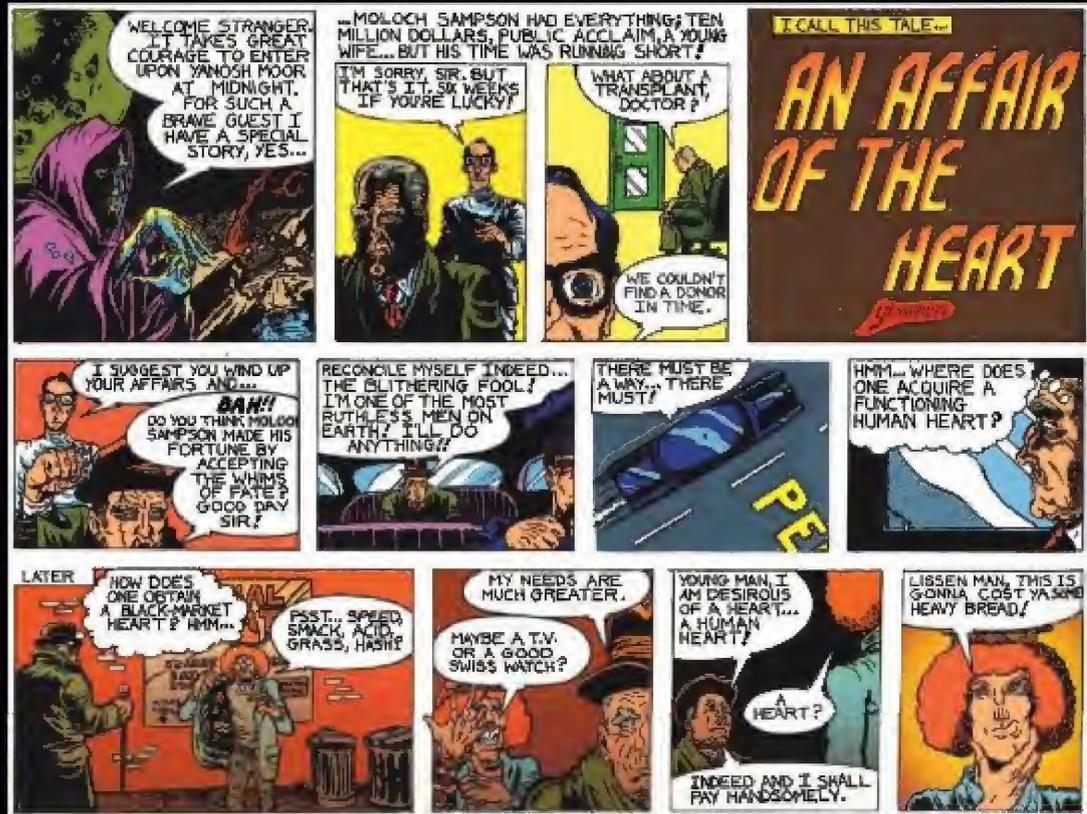
Congress for Cannabis

Want the DEA out of pot enforcement? (Who doesn't?) How about a new Bureau of Alcohol, Tobacco, Marijuana and Firearms, or a federal license to grow pot?

It all sounds pretty good, right? Then you definitely want to support a new bill in Congress ambitiously titled the Ending Federal Marijuana Prohibition Act, introduced by cannabis-friendly Congressman Jared Polis of Colorado. The Polis bill would permit weed farmers to obtain a license from the federal government to grow pot in states that have legalized recreational and/or medical marijuana. It would also make cannabis regulation the responsibility of the ATF and end criminal enforcement by the DEA, though under the bill, it would remain illegal to transport cannabis into any state still prohibiting pot.

RIP, Yossarian (1945-2013)

The legendary New York underground cartoonist draws his last breath.



Alan Shenker—professionally known as Yossarian, fraternally called Yo—died in New York City in January. The underground cartoonist, art director and permanent bohemian (who took his name from the protagonist of Joseph Heller's famed antiwar novel *Catch-22*) became infamous while creating comic strips, illustrations and covers for the underground newspaper *The East Village Other* (a.k.a. *EVO*) in the 1960s. Like fellow misfit cartoonists Robert Crumb, S. Clay Wilson and Spain Rodriguez, Yossarian blended bull's-eye political and social satire, extreme brutality and outrageous humor. The targets of his pen were often authoritarian figures including Nazis, the American military and cops (but I repeat myself). While he worked primarily for Big Apple rags like *EVO*, *Rat Subterranean News* and the *New York Ace* in the heydaze



Yossarian: "He never sold out."

of the hippie counterculture, thanks to the Underground Press Syndicate, his art was reproduced in cheap newsprint all across the country. From sea to shining sea, many a joint was rolled on top of Yossarian's images!

He also skewered sex, in particular as the art director

at the smut tabloids *Kiss* and *Screw*. Yo's "Fire Plug Funnies" was an example of his lack of political correctness as well as his relish for obliterating limits, featuring a woman who uses a fire hydrant like a dildo. Conversely, he also drew an illustration that revealed the rampant male chauvinism at *EVO*. His fetish for bald women resulted in the 'zine *The Razor's Edge*, which celebrated dames with denuded domes.

By all accounts, Yossarian was a man who knew how to enjoy life to its fullest on a limited budget, and he lived in the same rent-controlled crib until the end. "He did what all New Yorkers do," a longtime friend told *The Comics Journal*. "He complained about everything. He sat around drinking coffee at cafes. He talked to everyone." At the same time, "he was totally righteous and he never sold out." *Michael Simmons*

HIGHWIRE

Dispatches from the international drug war. *By Bill Weinberg*



US Blacklists Afghan Airline

One of Afghanistan's top airlines has been officially blacklisted by US authorities for allegedly trafficking opium on civilian flights. Kam Air is said to be smuggling "bulk" quantities of the drug to Tajikistan, a major export route to international markets. US Army Major General Richard Longo, the commander of Task Force 2010, a coalition anti-corruption unit, stated: "The US will do no business with those who fund and support illicit activities. Kam Air is too large of a company not to know what has been going on within its organization."

The airline remains barred from US contracts, even as Kam Air is currently in talks to merge with Afghanistan's state-owned carrier, Ariana Afghan Airlines. The Afghan government is defending the airline, demanding proof of wrongdoing and raising a rare threat of legal action.

Narcotics, Cigarette Smuggling Fund Al Qaeda

French forces intervened in Mali in January, sweeping jihadist rebels from their strongholds in Timbuktu and the northern desert. In retaliation, the forces of Mokhtar Belmokhtar, a.k.a. "Lawar" (the One Eyed), a renegade



Bolivia gets a coca leaf pass from the U.N.

Coca-Chewing Victory in Bolivia

Bolivia was readmitted to the UN Single Convention on Narcotic Drugs on January 11, after being given a special dispensation recognizing the traditional use of coca leaf as legal within its borders. Official celebrations of the victory were held in La Paz and Cochabamba. Fifteen countries objected to Bolivia's dispensation—far short of the 62 needed to block it (or a third of the convention's 183 signatory states). The dissenting governments were the United States, the United Kingdom, Russia, Japan, Mexico, Canada, Germany, France, Italy, the Netherlands, Sweden, Finland, Portugal, Israel and Ireland. An official US statement said the Obama administration continues to believe that coca legalization "will lead to a greater supply of cocaine and increased cocaine trafficking and related crime."



commander of Al Qaeda in the Islamic Maghreb (AQIM), seized a gas complex at Amenas, Algeria, taking the workers hostage—including Brits from the oil giant BP, which has a stake in the field. When the Algerian military stormed the complex on January 17, nearly 50 people were killed, including 35 hostages.

AQIM is said to be supplying arms and fighters to the jihadist militias in northern Mali, especially the Movement for Unity and Jihad in West Africa (MUJAO), with a diversified portfolio of funding sources that include kidnappings, weapons deals, cigarette and car smuggling, the occasional bank job and, of course, international narcotics trafficking.

Mexico's "Murder City"

There were 12,394 drug-related violent deaths in Mexico last year, according to a count released by the daily *Milenio*. This was an increase of 110 murders over 2011, according to the paper, but 264 fewer than in 2010, the most violent year of outgoing President Felipe Calderón's administration. For a fifth consecutive year, Chihuahua was the most violent state in the country, accounting for 18 percent of total deaths. Yet the official number of murders in Chihuahua's border city of Juárez dropped to about 800—down from 3,622 in 2010 that won it the sobriquet Murder City.

National Public Radio reports that the "word on the street" is that the long, bloody turf war is winding down because one side has definitively won: the interloping Sinaloa Cartel, which defeated the local and now heavily factionalized Juárez Cartel.



DEA: Back to Venezuela?

In the first sign of a possible thaw in relations between the US and Venezuela, the Caracas government is weighing a request from Washington to allow a high-level DEA official to visit the South American country. Venezuela's ambassador to the Organization of American States, Roy Chaderton, told the Associated Press: "We are open to improving relations with the United States, but we are not seeking in this overture a good-conduct certification on the part of the government or Congress of the United States." The US has "blacklisted" Venezuela for the past four years over its alleged failure to take measures

against drug trafficking.

The announcement comes amid tension in the country over the health of President Hugo Chávez, who has not been seen or heard from since his fourth operation for cancer in Havana, Cuba. Chávez, recently reelected, was inaugurated in absentia on January 10, following a ruling by Venezuela's Supreme Court that found such a proceeding constitutional. Vice President Nicolás Maduro oversaw the public ceremony and called on the gathered masses to take an oath of "absolute loyalty to the leadership of Comandante Hugo Chávez."

Honduras: Another Deadly DEA Raid

At least one suspected drug trafficker was killed on January 16 in the first US-supported raid in Honduras following a five-month suspension in radar-intelligence sharing between the two countries. The Honduran Navy said that one of three Jamaican men on a speedboat carrying 771 pounds of cocaine died when a Honduran Coast Guard vessel rammed it before dawn about three miles off the country's north coast. A contingent of DEA agents was apparently on board the Honduran Coast Guard ship. Another of the Jamaicans reportedly jumped into the sea and disappeared. The third man was detained and interrogated by the DEA. ✨

For more updates, visit *Bill Weinberg's websites*, GlobalGanjaReport.com and WorldWar4Report.com.



VAPEXHALE.COM



Rome and Eric
get tubular.



Ska Authentic

Sublime With Rome attempt to cast off the shadow of Brad Nowell's ghost. *By Chris Parker*

As Dr. Frankenstein will tell you, it's tricky business reanimating a corpse. In the case of ska-punk legends Sublime, the return's been bittersweet.

Sublime formed in 1988, but their origins go back farther. Bassist Eric Wilson and singer/guitarist Bradley Nowell met in high school, where they started a band called Hogan's Heroes. Their partnership united the strains of hardcore and reggae that would come to define the Sublime sound.

"I didn't know anything about reggae until I met Brad," Wilson says from behind a curtain of *sativa* smoke. "He was kind of softer, but he was into some punk stuff—he had some Circle Jerks. When I met him, I brought over an Exploited album. 'Dead Cities' was the first song we played together."

After building a strong SoCal following, Sublime self-released their debut album, *40 Oz. to Freedom*, in 1992. The trio

followed with *Robbin' the Hood* in '94, which MCA picked up and rereleased. They were two months shy of releasing their eponymous 1996 major-label debut when Nowell overdosed on heroin. Wilson and drummer Bud Gaugh decided to shutter the band, but that didn't stop *Sublime* from going quintuple platinum.

Most fans never had an opportunity to see them live. That includes singer/guitarist Rome Ramirez. Not only were Sublime his favorite band, they were the reason he became a musician.

"I heard Sublime, and I was like, 'Holy shit—this is the real jazz right here,'" Ramirez

recalls. "I asked my mom and dad the summer of fifth grade if I could get a guitar. I wanted it so I could learn those songs."

Eight years later, his mom would encourage him to make use of it. "I wasn't really doing much, and I had just turned 18, and my mom is like, 'You should go to LA and do something with yourself and that music.'"

So he did. It wasn't long before Ramirez met Wilson at the 17th Street Recording Studio, and the two began jamming. "One thing led to another—Eric called up Bud and asked if he'd be interested in starting a band," says the 24-year-old first-generation

Asked what drew him to Rome, Wilson is succinct: "He's super-talented—he's able to play guitar really well, and he also smokes a lot of pot."

Mexican-American. "Bud was like, 'Bring the kid on up!' We jammed. It felt dope. And so we kept it going."

They played their first public show eight months later in October 2009 as part of Cypress Hill's annual Smoke-out Festival. But not everyone was pleased with their return. They appeared billed as Sublime, prompting a lawsuit by Nowell's family and a name change to Sublime With Rome. Others derided the comeback as a pure money grab, even though Wilson and Gaugh had never had the chance to play Sublime's music for the rest of the country (or the world).

The two spent several years together in a post-Sublime outfit, the Long Beach Dub Allstars. When that broke up in 2002, Wilson founded Long Beach Shortbus with several LBDA members, though that band also petered out. By the time he met Rome, Wilson

« was looking for a new project. Asked what drew him to Rome, Wilson is succinct: “He’s super-talented—he’s able to play guitar really well, and he also smokes a lot of pot.”

That’s apparent as we partake: There’s no stopping the steady string of bong tokes. We say thanks to their friends at Sheldon Black, who shipped a choice bong when Wilson and Ramirez left home unprepared. As we smoke, Wilson lays back quietly like an older brother, while Ramirez rambles on loquaciously.

He’s talking about Sublime With Rome’s first album, *Yours Truly*, a stylistic merry-go-round to match the band’s historically felicitous tastes. Hardcore, punk, ska, reggae, pop, hip-hop—it’s all represented. The album cracked the *Billboard* Top 10 and produced a pair of Top 25 hits, the lively ska-punk “Panic” and the reggae shuffle “Take It or Leave It.”

But trouble was brewing behind the scenes. Gaugh had second thoughts, concerned with dissing Nowell’s memory. In December 2011, he decided to quit. In the limited interviews he’s done since then, Gaugh has expressed unwillingness ever to work with Ramirez again and questioned whether they should have disinterred Sublime in the first place.

For Wilson, that’s not even a question: He just feels happier on the road. After all, why should he be denied the fruits of his labor because one bandmate died and the other had a change of heart?

“People want to hear it, there’s a demand for it—so why the hell not?” Wilson says. He feels energized to be playing this music again. “It was a real natural feeling, because it’s what I should’ve been doing all along anyway.”

In the meantime, Gaugh’s been replaced on drums by popular hired gun Josh Freese (Guns N’ Roses, A Perfect



“People want to hear it, there’s a demand for it—so why the hell not?” Wilson says.

Circle, Paramore, Devo). While Ramirez says there won’t be any more Sublime With Rome recordings until Gaugh comes back, one wonders how committed they are to playing this game of chicken.

Nonetheless, Ramirez is enjoying himself. “The past couple years, Bud and Eric have taken me around the world and back twice,” he says. “They’ve introduced me to so many amazing people, amazing places and opportunities.”

He recounts one memorable incident at an Amsterdam coffeeshop. A little person came in with his full-size girlfriend. Suddenly, the diminutive patron poured some kief onto the bar top and snorted it.

“I just thought he was being a funny guy and joking, but then he does another and another one. Me and the budtender look at each other like, ‘What the hell is going on?’” Ramirez recalls. “Then 10, 15 minutes later, he passes out and falls over backward off his stool—which for him was like a 10-foot drop. He hit hard. I was like, ‘Oh shit, is he dead?’ I look over at the budtender,

and he doesn’t even flinch. He’s like, ‘Ah man, this happens 10 times a day.’”

Ramirez can sympathize on a certain level. He got seriously fucked up back when he smoked for the first time in seventh grade after scoring a sack laced with PCP. After one seriously mind-fucking joint, Ramirez decided to swear off pot. That summer, he finally smoked some weed that wasn’t laced, inaugurating a lifelong love affair.

Wilson’s father actually caught him smoking *his* first joint on the beach with the local sheriff’s son. Later, the tables were turned, as Wilson started noticing his dad picking him up from band practice with Binaca breath and bloodshot eyes.

“He’d drive like five miles per hour going home. People were beeping,” Wilson says. “One time, I searched around his van when he was in the store or something. I found

his shitty-ass weed in the gear shifter of the Volkswagen. I didn’t take it because it was so weak. Shortly after that, we started getting high together.”

Wilson also started scoring his dad some better pot. Not only did it relieve his father’s Parkinson’s symptoms, but it offered the two a chance to bond.

“I never had the money to pay for weed, so he’d come in [my room] and ask if I wanted to ‘turn on,’” Wilson recalls. “He knew he wouldn’t be around too much longer because he had Parkinson’s, so he started smoking with me.”

As for the future of Sublime With Rome, which will be touring Brazil in March, Ramirez knows he has to deal with the haters, but he figures it’s a small price to pay for the chance to live out his dream. And the dream just keeps getting better.

“We’re on the biggest tour we’ve been on in four years [supporting Cypress Hill],” he says. “We’re having the time of our lives out here playing great songs, meeting great people in bigger and bigger venues. What’s not to love?” ✨

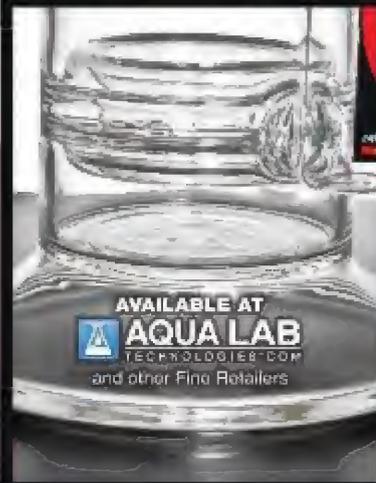


Legacy of Lou Dog (11/25/89–9/17/01)

- Named after Brad Nowell’s grandfather Louie.
- Lou wandered the stage at shows, and often appears in Sublime’s albums and songs.
- On “What I Got,” Nowell sang, “Livin’ with Louie Dog’s the only way to stay sane.”



www.facebook.com/zobglass



DYNAMITE
DISTRIBUTION®

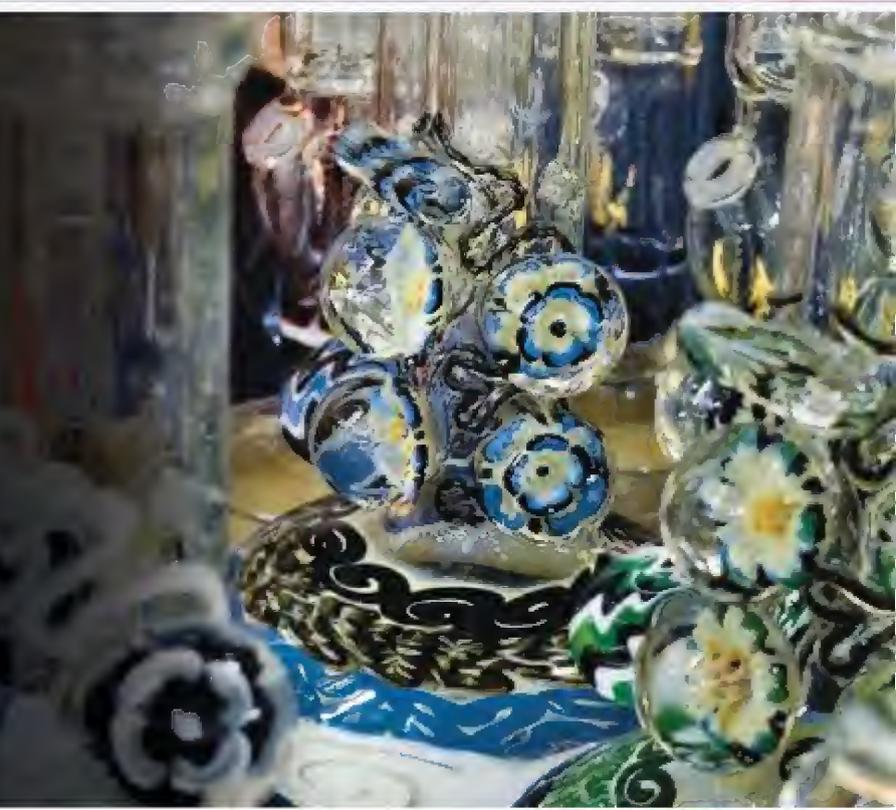
SMOKE 'EM IF YOU GOT 'EM!

www.facebook.com/dynamitedistro



www.facebook.com/hvyglass

All product proudly made in the U.S. and intended for tobacco use.



Growing, from the root up.



Welcome to the Party

Rusted Root share good vibes, dance grooves with new album: *The Movement*.

Thank goodness peace, love and great grooves haven't fallen out of fashion, because Rusted Root delivers all this and more with their seventh studio album, *The Movement*.

The Pittsburgh-based band known for their live show made waves in the 90s opening for the Grateful Dead, Santana, and the Allman Brothers, and over the course of twenty plus years have clung tight to their unique sound of drum circle beats, trippy tribal chants and catchy guitar riffs.

Root Heads, as fans are called, will have a perma-grin because *The Movement* captures the familiar sensation of both *Cruel Sun* and *When I Woke*. Bouncing through the album, the lighthearted "Cover Me Up" joyously blends Michael Glabicki and Liz Berlin's voices—playfully



weaving the melody over poly-rhythmic layers with the help of bassist Patrick Carter and percussionist Preach Freedom. Tunes like "Fortunate Freaks" will steadily be on repeat, and the sugary sweet lyrics of "Sun and Magic" may cause a cavity from their overwhelming heartfelt emotion.

Catching up with Rusted Root before their New Year's Day show in New York City, the band is clearly fired up from the previous night's show and their fans' overwhelmingly

"It's cool because we finally created something that is rooted, in the sense that our fans know what Rusted Root is all about."

positive reception to the album. "It's cool because we finally created something that is rooted, in the sense that our fans know what Rusted Root is all about," says Glabicki, who solely produced and engineered the album.

Taking a toke of Loud Scout, the 2012 Hybrid Cannabis Cup winner, brother Preach Freedom has no problem sharing with the world that he loves weed and considers it medicine. "It's the healing of the nation. Can you dig it? We love it. I love it, because it's a good

expectorant, too. I *expect* to get high," Freedom says as we depart, sending me on my way. "This is *High Times*, baby. Two thousand thirteen, everything green!" *Jen Bernstein*

Watch Preach and Patrick puff Loud Scout.
hightimes.com/rootstash



RUSTED ROOT'S TAKE ON TOKING

- Preach Freedom is the band's most outspoken member about weed and partakes daily in the blessed sacrament.
- Rusted Root was named one of the biggest stoner bands for their jammed-out style of music.

NEW AND IMPROVED:
WEBSITE
PRODUCTS
TECHNOLOGY
EXPERIENCE



SCAN ME

WIN THIS
HPS LIGHT KIT
 ON **HIDHut.com**



GROWING QUESTIONS?

Only at
HIDHut.com



LED UFO
 \$399.99



LED Comet 150
 \$149.99



LED Mothership
 \$1299.99



LED Comet 400
 \$349.99



LED Supernova
 \$899.99



Digital Ballasts
 \$59.99 ^



Drying Racks
 \$34.99



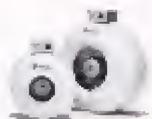
Bubble Easy Machines
 \$149.99



Grow Tents
 \$99.99 ^



HPS/MH light Kits
 \$99.99 ^



Cannon Fans
 \$99.99 ^



Reflective Films
 \$9.99 ^



Bubble Easy Bags
 \$49.99 ^



HPS/MH Bulbs
 \$19.99 ^



Whisper Fans
 \$9.99 ^



Cannon Filters
 \$49.99 ^



Reflectors
 \$24.99 ^



Purchase all your gardening supplies and more at **HIDHut.com** or call **(866) 678-8565** for product details and your free brochure.

FOR COUPONS, GIVE-AWAYS, CONTESTS, TIPS, ADVICE AND MORE: [Facebook.com/HIDHUTINC](https://www.facebook.com/HIDHUTINC)

The ^ symbol represents the advertised price as the starting price of the shown product genre. Prices may increase based on the product type, model and/or brand.



High Times Indeed

The Acid King and I

Testing the boundaries of love and consciousness.

“There is nothing we can’t do,” Owsley Stanley told Rhoney Gissen at the beginning of their love affair in 1965. Owsley, a.k.a. Bear, believed that LSD would kick-start a revolution in human consciousness. He became the largest manufacturer of LSD in the '60s and sold or gave away over half a million hits—maybe more. “LSD is just a tool for transformation,” he said. “We need more people on the bandwagon. Critical mass. That is my vision.”

So Rhoney—a nice, if rebellious, upper-class Jewish girl—got thrust into the heart of the largest mass-bohemian movement in history. She was one of Owsley’s two live-in girlfriends as well as his lab assistant, part of the Grateful Dead family and an active participant in the freak community. In this wild memoir of life with the media-crowned “Acid King,” she captures the perfectionist genius who also transformed audio technology, created jewelry, advocated a carnivorous diet and studied to be a ballet dancer.

The author and her late writing partner, Tom Davis of *Saturday Night Live* fame, wisely focus on the halcyon hippie years, and a familiarity with the dramatis personae of that era is helpful, as Gissen Stanley references first names that many—save Deadheads—won’t recognize. But Jerry Garcia, Ken Kesey, Janis Joplin, Bill Graham, David Crosby and the rest are all here, and the author even gets a

chaste kiss from George Harrison—a thankful consumer of Owsley’s product, as were his bandmates.

Owsley was busted by the Feds for his chemical production in '67, gallantly took the rap for his co-conspiring girlfriends and did time. “Prison made him a bona fide outlaw and an enemy of his country,” writes Gissen Stanley—so much so that the onetime patriot later emigrated to Australia, where he died in 2011. The author bore him a son, adopted his last name and became a holistic orthodontist. Thanks to Owsley, she was able to make her own dental appliances; among other things, he’d taught her how to solder. *Michael Simmons*



Owsley and Me: My LSD Family

Rhoney Gissen Stanley with Tom Davis
(Monkfish)

MUSIC RECOMMENDATIONS



Tomahawk
Oddfellows
(Ipecac)

Mike Patton must bore easily, given the way he jumps from band to band. These days, he’s reunited the “anonymous super-group” Tomahawk, which features the Faith No More vocalist alongside guitarist Duane Denison of the Jesus Lizard, bassist Trevor Dunn of Fantômas and Helmet

drummer John Stanier. The band’s fondness for quirky shifts between experimental diversity and commercial accessibility is immediately apparent. Even if it’s all parodic irony (as on the smarmy “Choke Neck”), most of this LP should still be hailed for its intriguing invention. *Mark Miller*



Unknown Mortal Orchestra
II
(Jagjaguwar)

Fresh off his stint with the New Zealand outfit Mint Chicks, guitarist/vocalist Ruban Nielson rebounded strongly with the Unknown Mortal Orchestra’s self-titled debut in 2011. The album mixed propulsive beats with treated vocals and catchy, effects-laden riffs that sounded at once both

retro and modern. While a winning formula, it was still a formula, and their second LP understandably moves toward more standard-sounding indie-rock fare. All of which makes *II* an album whose selections are best consumed à la carte.

Justin Hampton



Matmos
The Marriage of True Minds
(Thrill Jockey)

Matmos has been constructing cameo-laden conceptual electronica for the better part of a decade. But up until last year’s *Ganzfeld* EP, they’d never attempted an ESP experiment, wherein the concept would be willed into the minds of their collaborators. Matmos is all over the map,

layering avant-garde electronic noodling and sound atop contributions from the doom metal vocalist Gerry Mak (Bloody Panda), IDM vet J Lesser and others. But its predictably stream-of-consciousness nature ensures a mixed-bag listen, as ephemeral as a dream.

Justin Hampton



Chelsea Light Moving
Chelsea Light Moving
(Matador)

Thurston Moore returns to the primordial throb of early Sonic Youth with his first post-Kim Gordon project. There are noisy excursions and skronk eruptions, but the emphasis is on chug, à la Black Sabbath. Moore’s lyrical haikus are typically best left unexamined, but there’s whimsy in the

sludgy enlightenment ode “Alighted” (which explains, “I come to get wasted”) or the two-and-a-half-minute minimalist paean “Lip.” Sonic Youth made great art punk but were at their finest smashing shit up. Here, Moore rediscovers some of that primal '90s fire. *Chris Parker*



Ben Lee
Ayahuasca: Welcome to the Work
(Ten Fingers)

Indie pop-rocker Ben Lee says that his ayahuasca use was “not a drug experience, but a sacred, spiritual experience used to uncover untouched depths of my own unconscious.” With this concept album, he examines his journeys on the South American DMT brew. Lee’s knack for

melody is in abundance here, but in keeping with the “spirit vine” trip, there are stretches of dissonance. Also worth noting: Artist royalties from the album will be donated to the Multidisciplinary Association for Psychedelic Studies (MAPS) and the Amazon Conservation Team. *Michael Simmons*

WHO'S YOUR BUDDY

INTRODUCING **BUD BUDDY** BY **HYDROPONICS GROUP**



ADJUSTABLE
ROPE HANGERS

RAPTOR ODOR
CONTROL SYSTEM

MADE OF CEDAR
NON CONDUCTIVE
NO CONDENSATION

INTERCOOLED
COOL TUBE
MH & HPS BULBS
INLCUED
OR GO LED

ORGANIC SELF
WATERING POTS
OR
FULLY AUTOMATED
HYDRO
YOUR CHOICE

PLANTER SHELF
FARM AT HIP
HEIGHT
FOR MORE
COMFORT

COMPLETE CLONE
SYSTEM
NUTRIENTS &
CLONE MEDIUM

NYLON SLIDE
EASILY SLIDES
ON ANY SURFACE

PEDESTAL
WILL NOT CONDUCT
FLOOR HEAT OR COLD

INSULATED WALLS
REDUCES NOISE

BRUSHED NICKEL
DEADBOLT DOORLOCK

47" wide, 30" deep, 6'5 tall
Introductory price \$2299

- Biggest in it's class
- Available with Master Controller
- Expandable mouldlar design
- 62 cubic feet of grow area

Order online or CALL TODAY !!

www.HydroponicsGroup.com

800-850-6360



Makes
HERBAL
Butter, Oil &
Tincture

Magical
Butter.com

QR code

Tincture

The advertisement features a vibrant collage of various foods including pizza, chicken, broccoli, tomatoes, and a lobster. In the foreground, there is a silver and black blender with a lid that has a logo. To the right of the blender is a green glass bottle with a black cap, labeled 'Tincture'. A cartoon character with a green body and large eyes is positioned behind the blender. A QR code is located to the left of the character. The background is a light green gradient.



MUNCHIES

Pot & Protein

A smoothie to keep you groovy.

There's nothing more admirable than living a "hard knocks" life, pulling yourself up by the bootstraps and then having the gumption to spread that healing with the rest of your breaths. And that's just what Darius Wright has done: resurrected his life from the ashes of chronic illness and addiction to spread the word about natural healing and physical fitness.

The natural remedy that he credits with keeping him alive through all the trials and tribulations and making him a vibrant, certified fitness trainer and entrepreneur (Fountain of Youth Fitness and Health LLC) at 52 years young? Cannabis.

"Weed allowed me to see the great value of the natural world," Wright explains, "and that is why, at 52, I am healthier, sharper, fitter than I have ever been in my entire life—and I was an athlete. Yet I smoke every day medicinally! I

do the opposite of what Western medical doctors recommend, because when I did as they said, I was chronically sick with every manner of ailment. Now I live an almost completely natural existence, putting in my body as much from nature as humanly possible. I am unsick, highly fit, and I'd have to say that nature was the key to my health and life!

"I know that there is a reason for me being alive today. I had to experience untold suffering to get a total understanding of our natural lives by coming close to death on numerous occasions and by living a life that was no more than death. Weed has been a part of my existence through all of those times, and I am not really sure how I could have mentally and physically endured without its presence. It opened my mind to the totality of nature and natural substances."

Massive kudos, Darius, and a big thank-you for sharing this great protein shake with our readers. So smack that stoner stereotype to the curb and, as Wright aptly states, "Get your groove on! Get your health on! We all know that marijuana is a blessing from nature! We must not forget that nature is the provider of our health and our lives. Marijuana, in conjunction with the other life-giving products of nature, allows us to enjoy maximum life!" *Mary Ought Six*

GET YOUR GROOVE ON BANANA PROTEIN SMOOTHIE

3-4 cups coconut-almond milk
2-5 grams high-quality bud (totally crushed)
6-10 ice cubes
2-4 bananas
4-6 tbsp. hemp protein
½-1 cup fresh/frozen pineapple
½-1 cup fresh/frozen blueberries or strawberries
Raw honey, agave, blackstrap molasses or palm sugar for sweetening
Springwater for additional thinning or for filling the container if needed

on low to medium heat, making sure not to reduce or burn (15 to 20 minutes tops). Next, put everything in the blender, adding the milk/weed mixture last. Start blending on low speed, then progress to high for a short time. Let rest, and repeat three to four times for a smooth consistency.

Last but not least, find yourself a comfortable chair, a nice tall glass, then sit back and enjoy the pleasures of weed the way nature intended! *Stones 1.*

Pour the milk in a small pot with the crushed bud. Simmer

VancouverSeed.Com

World Class Genetics
Award Winning Breeds

mail order seeds @ www.vancouverseed.com

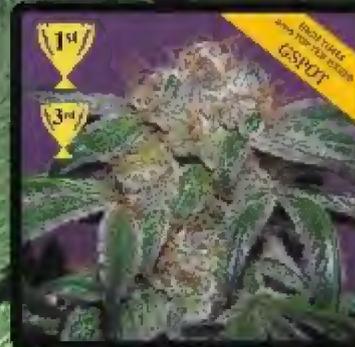
VISC



420



Lady Liberty



GSPOT



Burmese



Blackberry



Gold



Fucking Incredible



Mother



British Columbian



Kat

10 Seeds Per Pack

VISC

Vancouver Island Seed Company

| | |
|-------------------|-------|
| 420 | \$60 |
| 1.3G | \$80 |
| B-Bud | \$75 |
| Beaster | \$100 |
| Bitch | \$65 |
| Black Velvet | \$75 |
| Blackberry | \$85 |
| BlackBurmese | \$90 |
| British Columbian | \$75 |
| Bud Life | \$62 |
| Burmese | \$85 |
| Burmaberry | \$85 |
| Bush Bud | \$62 |
| Canadian | \$80 |

FUCKING INCREDIBLE! High Times Top 10 Strains 2008

| | |
|--------------------|-------|
| Che | \$75 |
| Copperhead | \$75 |
| Dubble Bubble | \$75 |
| Eye | \$75 |
| Fucking Incredible | \$140 |
| Gold | \$75 |
| GSPOT | \$105 |
| Indigo | \$80 |
| Jinn | \$85 |
| Kat | \$85 |
| KGB | \$62 |
| Midnight | \$75 |
| Mystic | \$85 |
| Nuclear | \$85 |
| Olympic | \$62 |
| Passionfruit | \$85 |
| Ripper | \$85 |
| Rx | \$75 |
| Sin | \$75 |

The Legend of the BURMESE See High Times January 2009

10 Seeds Per Pack

LIBERTY

Liberty Seeds

| | |
|--------------|-------|
| Sweet | \$75 |
| The Producer | \$100 |
| THC | \$75 |
| Titanium | \$75 |
| Vertigo | \$75 |
| Virgin | \$62 |
| WMD | \$70 |
| WOWWeed | \$100 |
| VISC Mix | \$50 |
| Mother | \$70 |
| Stealth | \$75 |
| Lady Liberty | \$85 |
| Infinity | \$65 |
| Justice | \$70 |

GSPOT High Times Top 10 Strains of 2009

Read about VISC's Induction into The Seed Bank HALL OF FAME in the August 2009 issue of High Times

Complete this form, or on a separate paper, include the product name, quantity, item price and order total. Send along with payment in the form of CASH or BLANK Money Order to:

V.M.H.
PO Box 298 - Station A
Nanaimo, BC Canada
V9R 5K9

Include \$7.00 Shipping & Handling - (Add \$15 for Rush Orders)

We ship World Wide Discreetly!

| Product Name | Quantity | Subtotal | Total |
|--------------|----------|----------|-------|
| | | | |
| | | | |
| | | | |
| | | | |

Name _____ Subtotal _____
 Address _____ Rush _____
 City _____ Province _____ S&H \$ 7.00
 Postal _____ Country _____ TOTAL _____
 Include \$10 for Photo Catalogue CD.

Pot-pourri Special
VISC Mix with each Order
That's TEN Free Seeds!

Acquisition of live cannabis seeds is illegal in the United States. Cannabis growers and consumers are one of the largest unrepresented blocks of voters in the world. This can change. We can end the persecution of innocent people, have more affordable Marijuana and a more peaceful world; if we stand our ground and demand it. Decriminalize Cannabis and instead of spending our tax dollars destroying lives, money could be spent funding our schools and hospitals or used to reduce our debts. Legalize and tax Marijuana and the income generated can change our world. Grow and help the world grow too.

BURN CLEAN... BURN GREEN... BURN ITAL!

The original
I-TAL HEMP WICK
MADE WITH ORGANIC HEMP & BEESWAX

ALL NATURAL HEMP SMOKING WICK
GET FULL FLAVOR OF YOUR SMOKE
KEEP IT HEALTHY AND BUTANE FREE

Available at better smoke shops and
Dispensaries nation wide..... Ask for it by name

italhempwick.com

FREE SAMPLES- Send a self addressed stamped envelope to: Free Sample Dept. HT,
P.O. Box 525 Kealahou, HI 96750

Inventors of prize winning systems

POLLINATOR
The home of homemade hash since 1994

Bubbleator
The quickest route from trash to stash!

Get ready Start your run 5 minutes later

Create prize worthy resin
using the original Amsterdam

Pollinator Company
Nieuwe Herengracht 25
1011 RL Amsterdam
The Netherlands
[t] +31-20-4708889
[f] +31-20-4715242
[w] www.pollinator.nl
[e] info@pollinator.nl

Ice-O-Lator Pollinator

Medical Strain of the Month



Black Lavender, a prime *indica*

Black Lavender

At the 25th Annual High Times Cannabis Cup in Amsterdam in November, a seed-breeding legend known as Soma took home the *Sativa* Cup for his amazing Amnesia Haze strain. I personally had a chance to sample the winning entry shortly after the awards ceremony and found its clarity-inducing, sense-sharpening properties ideally suited to a friendly but frenetic game of Ping-Pong. Those seeking to stimulate their appetite, reduce nausea, fight depression or relieve a migraine headache would also benefit from not forgetting about Amnesia Haze.

Meanwhile, by promoting organic and environmentally friendly growing methods, Soma has consistently shown that producing top-quality medicinal-grade cannabis doesn't require chemical additives. He earned a second-place medal at the Cannabis Cup as far back as 2001 and took home the *Indica* Cup in 2005 with Lavender.

Boasting a Super Skunk x Big Skunk Korean x Afghani/Hawaiian lineage, Lavender is a truly transglobal strain, with all the couch-locking, muscle-relaxing, pain-killing power you'd expect from a Cup-winning *indica*. Combine that with a flavor reminiscent of

pomegranate and plum—plus, of course, floral notes of lavender—and you've got a sedative far safer (and more pleasant) than anything your doctor can prescribe.

So, naturally, I was more than intrigued when a group called the California Growers Collective invited me to sample a new strain they had developed called Black Lavender, made by crossing a Lavender female with a Blackberry Kush x DJ Short's Blueberry male. The result—sun-grown in a fully organic, eco-friendly garden that would make Soma proud—retains many of the original Lavender's high points, though with a far darker hue to its trichrome-dusted colas. This particular sample was grown in 25-gallon pots filled with an organic top dress and fed weekly with compost tea.

Ready to harvest after about 56 days of flowering, Black Lavender yields dense buds that marry the fruity burst of DJ Short's Blueberry genetics and the tart tang of Blackberry Kush to Lavender's already heady flavor profile. Highly sought after in Central California, this boutique strain has all the makings of becoming a mainstay in the California medical marijuana scene and beyond, as befits its proud lineage. *David Bienenstock*

ALL IT TAKES IS JUST ONE TOUCH

WE ARE PLEASED TO OFFER THE FIRST TOUCH ACTIVATED SYNTHETIC URINARY DEVICE
VERY QUIET, FAST-ACTING, WARM SYNTHETIC URINE INSTANTLY

THE WHIZZINATOR Touch!

EVERYTHING YOU NEED IN EVERY KIT!

1 WHIZZINATOR TOUCH!

4 HEAT PADS

1 INSTRUCTION MANUAL

OVER 4 OZ OF SYNTHETIC URINE

INEXPENSIVE REFILLS

DISCREET SHIPPING

1 SYRINGE

MEDICAL GRADE SYNTHETIC URINE. QUALITY GUARANTEED.

WHIZZ KIT



1 REFILLABLE URINE KIT - 2 HEAT PADS
OVER 3 OZ OF PREMIX SYNTHETICAL URINE
1 SYRINGE - 1 SET OF INSTRUCTIONS

GOLDEN FLASK



ONE PREMIXED PERSONAL GOLDEN FLASK
OVER 4 OZ OF SYNTHETIC URINE
1 HEAT PAD - 1 SET OF INSTRUCTIONS

CALL US TODAY FOR OVERNIGHT SHIPPING RATES!

Se Habla
Español

888-895-7016

Discreet
Packaging

www.theALSshop.com



ALS

A L.S. PRODUCTS ARE NOT INTENDED FOR ANY ILLEGAL PURPOSES. FOLLOW ALL STATE AND FEDERAL LAWS. WHILE USING A L.S. PRODUCTS. ALL PRODUCTS ARE INTENDED AS A NOVELTY ITEMS.



Hot Products

What's new for cannabis cultivators and connoisseurs.

1 Celebrate Good Times

Prices vary

celebrationpipes.com

Our friends at Celebration Pipes are feting their 40th anniversary and the latest wins for marijuana-law reform with the introduction of a pipe in Victory Green, their eighth and newest color. These are the world's only handmade, limited-edition, 22-karat-gold-plated pipes, with a portion of the proceeds going to NORML. Celebrate cannabis freedom in style!

2 Ride the Rhino

\$159.99

whiterhinoproducts.com

Vaporizer pens are all the rage, but it's easy to get stuck with a dud. That's why we love the new White Rhino Vaporizers, which not only are reliable but give us three different options for consuming our dry cannabis flowers, waxy pot concentrates and liquid hash oils. Its sleek units come with everything you need to blaze discreetly almost anywhere.

3 Get Homegrown

Prices vary

hgoutfitters.com

Since 2004, Homegrown Outfitters have been making cool clothing and accessories inspired by California's cannabis-growing culture. Their new "Dib-Dab" shirts feature a *concentrated* take on the classic Zig-Zag rolling-papers logo. Check out their website for more apparel for the discerning stoner. They also offer free domestic shipping.

4 Boxed In

Hydro version, \$1,295;

soil version, \$1,050, actechhwi.com

Growers looking for a turnkey grow box need look no further than the AC Tech Misty 181 from Accelerated Technologies. Light-tight and measuring just 42" x 18" x 18", with 60-watt LED lighting and an internal air-scrubbing system, the Misty 181 is quiet and discreet. Each unit comes with all the necessary meters and nutrients to get you growing, as well as a DVD instruction manual.

WWW.ATMOSRX.COM
1-855-44-ATMOS

1st PLACE
CANNAFEST

FIRST PLACE
HIGH TIMES

#1

New
Arriv all

ATMOS[®]



Bullet-2-Go Kit
for dry and waxy oils.

WE HAVE VAPORIZERS FOR EVERY STATE OF MIND.



TOP 5 STRAINS

1
KUSH

\$323

2
PURPS

\$363

3
DIESEL

\$350

4
HAZE

\$368

5
BLUEBERRY

\$355

(White Widow)
"It's back! Great stuff ... if you can find it."
Nashville, TN

(Cheese)
"So incredibly stinky— you're going to need better baggies."
Seattle, WA

MARKET ANALYSIS

Prices by the ounce

The US Price and Kind indices both dropped \$10 from their previous month's average. \$380 per ounce marks the Kind Index's lowest monthly average of 2013. Meanwhile, the US Price Index fell to its second lowest average of the year.

US Price Index

YTD Average: \$328



Kind Index

YTD Average: \$395



Mids Index

YTD Average: \$275



Schwag Index

YTD Average: \$101



(Louis XIII)
"Some of the most incredible bud I've ever smoked. True royalty."
Los Angeles, CA

TRANS HIGH MARKET QUOTATIONS

| STATE | CITY | STRAIN | PRICE | |
|----------------|---------------|------------------------|-------------|-----|
| Arizona | Glendale | Bubba Kush | \$330 | |
| | Phoenix | Granddaddy Purps | 450 | |
| Arkansas | El Dorado | Blueberry | 350 | |
| California | Los Angeles | Tahoe OG | 240 | |
| | | New York Sour Diesel | 240 | |
| | | Louis XIII | 360 | |
| | San Diego | Platinum OG | 320 | |
| | San Francisco | Chocolope | 240 | |
| | | Skywalker | 360 | |
| | Headband | 320 | | |
| Colorado | Denver | Golden Goat | 300 | |
| | | Holy Grail OG | 350 | |
| | | G-13 | 250 | |
| Delaware | Pike Creek | NYC Diesel | 370 | |
| | | Purple Haze | 350 | |
| Florida | Orlando | Blue Dream | 390 | |
| Georgia | Athens | Jack Herer | 400 | |
| Hawaii | Kona | Granddaddy Purps | 350 | |
| Indiana | Fort Wayne | White Widow | 360 | |
| Maine | Bangor | Super Silver Haze | 350 | |
| Massachusetts | Boston | East Coast Sour Diesel | 420 | |
| | | Jack Herer | 400 | |
| Michigan | Grand Rapids | Platinum OG | 280 | |
| | | Pineapple Kush | 320 | |
| | | Blueberry Haze | 360 | |
| Minnesota | St. Cloud | Stillwater | 300 | |
| | | Sweet God Bud | 380 | |
| New Jersey | Newark | Headband | 400 | |
| | | Blue Dream | 340 | |
| New York | New York | Strawberry Cough | 420 | |
| | | Guava Chem | 400 | |
| | | Mountain Kush | 340 | |
| | | Green Crack | 340 | |
| North Carolina | Raleigh | Kush | 350 | |
| | | Trainwreck | 325 | |
| Ohio | Akron | Amnesia Haze | 400 | |
| Oregon | Portland | Dutch Passion | 250 | |
| | | Vortex | 200 | |
| Tennessee | Nashville | White Widow | 300 | |
| | | Lamb's Bread | 150 | |
| Texas | Fort Worth | Cat Piss | 250 | |
| | | San Antonio | AK-47 | 320 |
| | | Cinderella | 350 | |
| Virginia | Richmond | OG Kush | 420 | |
| Washington | Kennewick | Seattle | Jack Herer | 250 |
| | | Cheese | 300 | |
| INTERNATIONAL | | | | |
| Canada | Edmonton | Purple Kush | C\$240 | |
| | | Jack Herer | 250 | |
| | | Toronto | Power Plant | 220 |

We want to know what you're smoking! Submit your strain information, location and price by the ounce to thmq@hightimes.com or on Twitter using #THMQ.

(Strawberry Cough)
"It's expensive but worth it. Great smoke."
New York, NY

The Electro Dabber™ is a revolutionary way for you to enjoy your concentrates, without the hassle of using a butane torch.

Electro Dabber

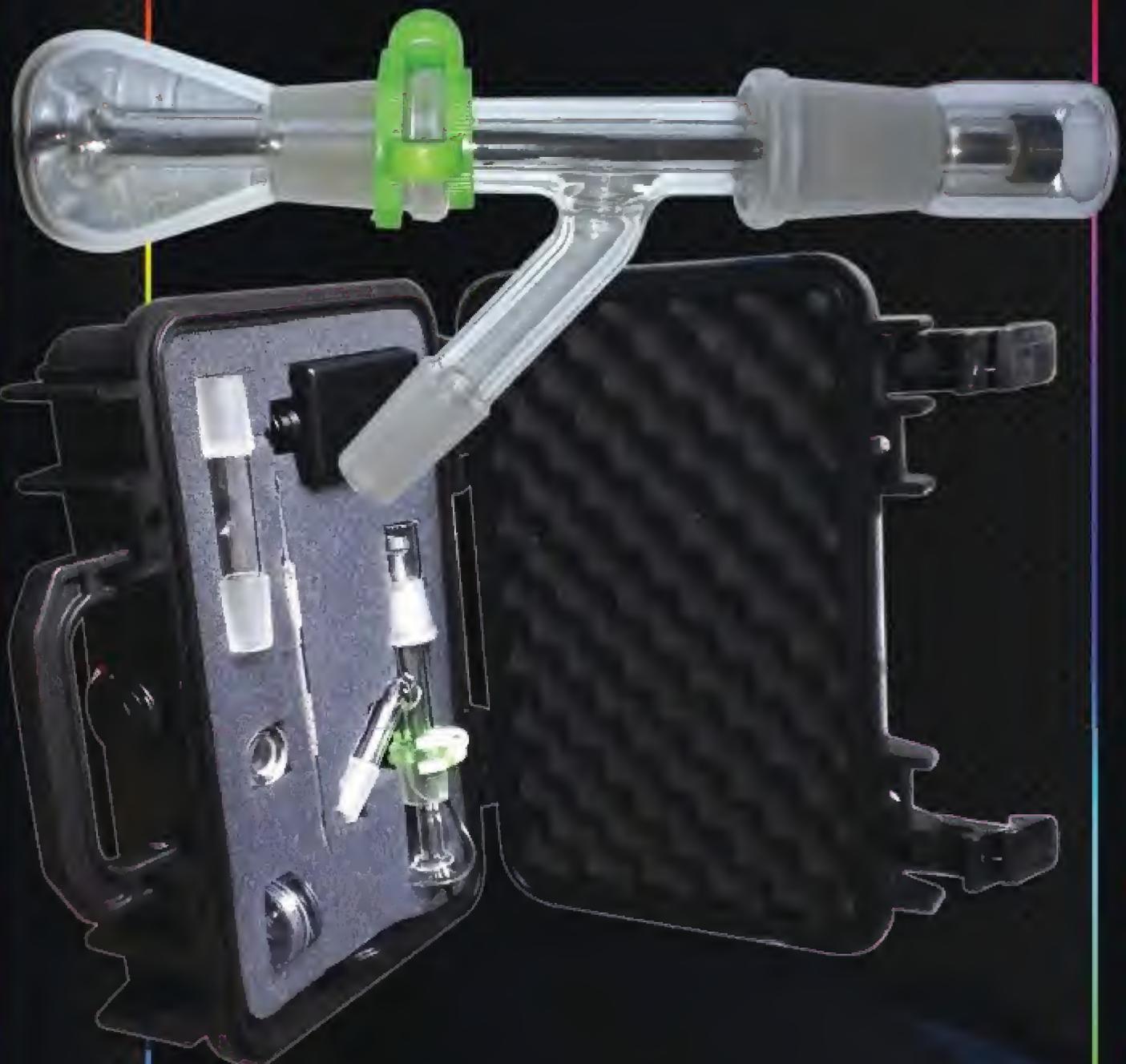
ELECTRO DABBER™ KIT:

- Electro Dabber™ Titanium Nail
- Stainless Steel Heating Element
- Smell Proof Hard Shell Case
- 45° Angle Adapter
- 90° Angle Adapter
- 18 - 14 Millimeter Adapter
- Stainless Steel Dab Tool
- 7 ml Acrylic Container
- 18v Power Transformer



Contact Us At:

www.ElectroDabber.com





WE'RE IN SHORELINE. WE'RE IN SPOKANE.



**4-GR
EVERY**

**DUTCH TREAT GROWING
ON-SITE IN 100-GAL POT**

TAKE A PEEK FROM OUR MEDICINE ROOM

BUILT BY SOLUTIONSFORMEDICALCANNABIS.ORG

PHOTOS & AD CREATED BY NWLEAF.COM



SHORELINE

19926 AURORA AVE. N. SHORELINE 98133

(206) 542-2334

SPOKANE

805 E. HOUSTON AVE. SPOKANE 99208

509-474-9275



Pacific NW Medical

**GRAM 1/8^{THS} ON
EVERYTHING WE OFFER!**



WWW.PACIFICNORTHWESTMEDICAL.COM

FACEBOOK.COM/PNW MED

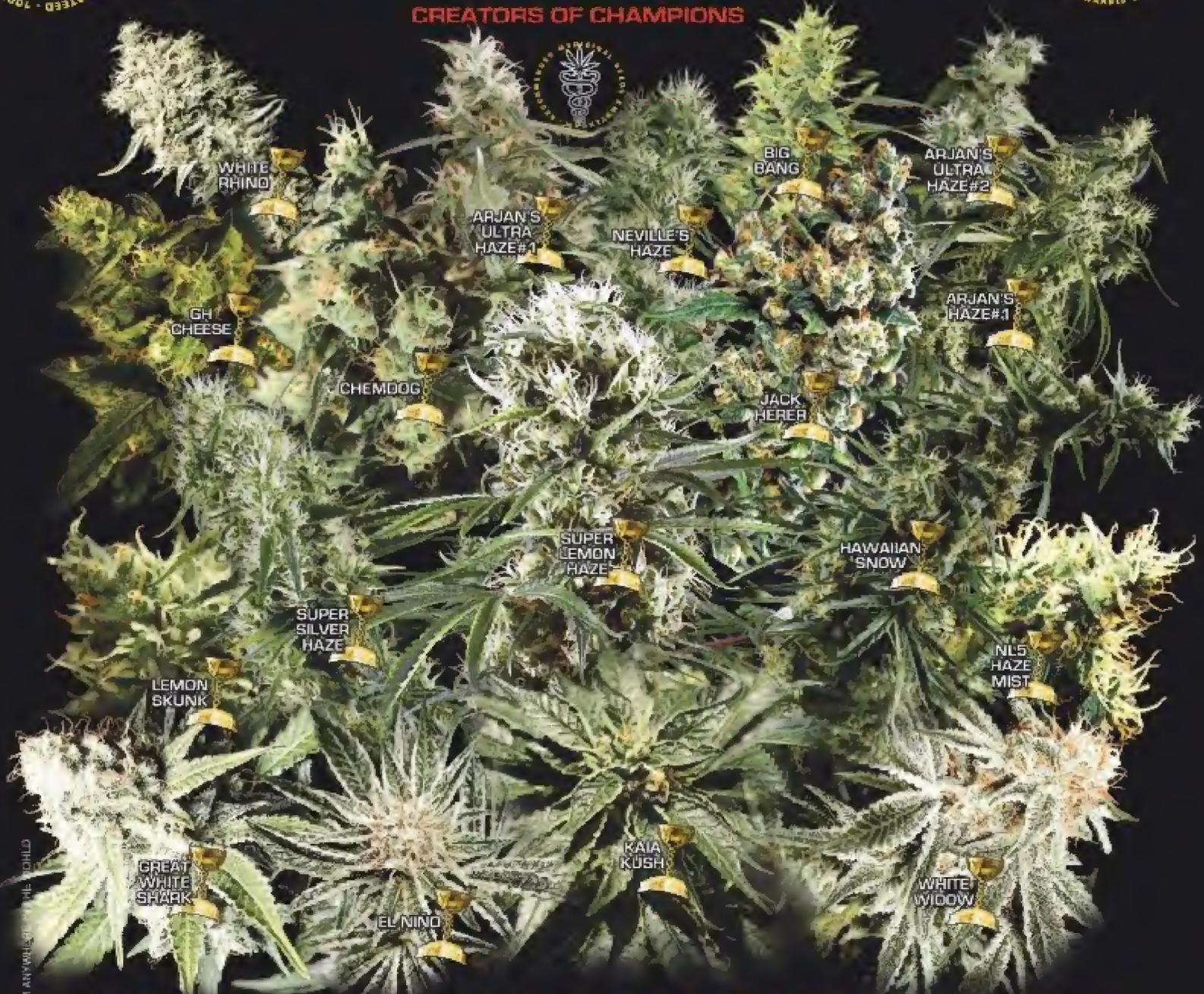


THE WORLD'S LEADING HIGH!

Green House Seed Co.®



CREATORS OF CHAMPIONS



WINNER OF 34 HIGH TIMES CANNABIS CUPS.



ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES. PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD.

High Times and Cannabis Cups are trademarks of the Time High Corporation and used with permission.



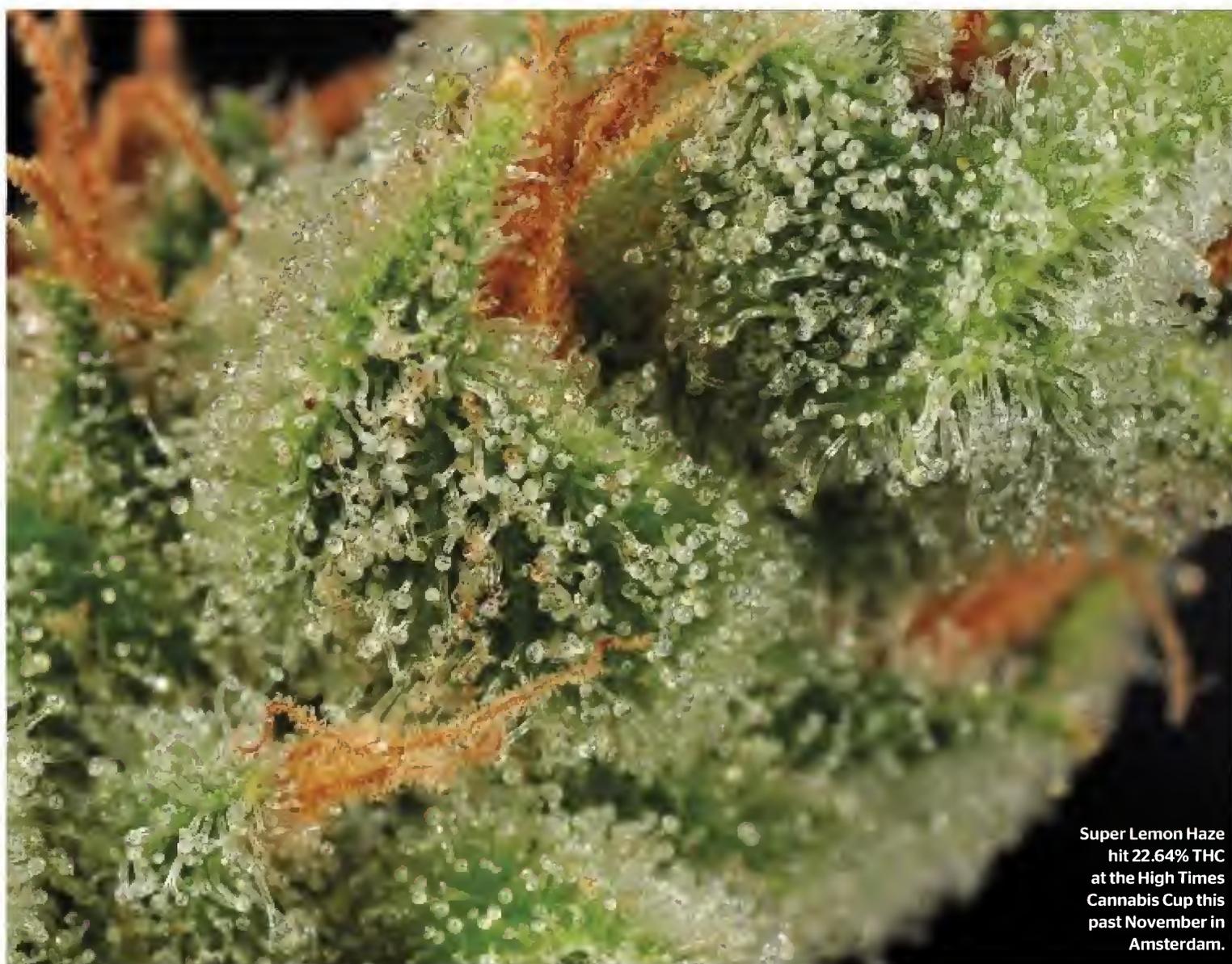
SCAN THIS BARCODE TO VISIT THE PORTAL
WWW.STRAINHUNTERS.COM
WWW.GREENHOUSESEEDS.NL
SCAN THIS BARCODE TO VISIT THE SHOP



Lab Tested!
Stoner Approved!

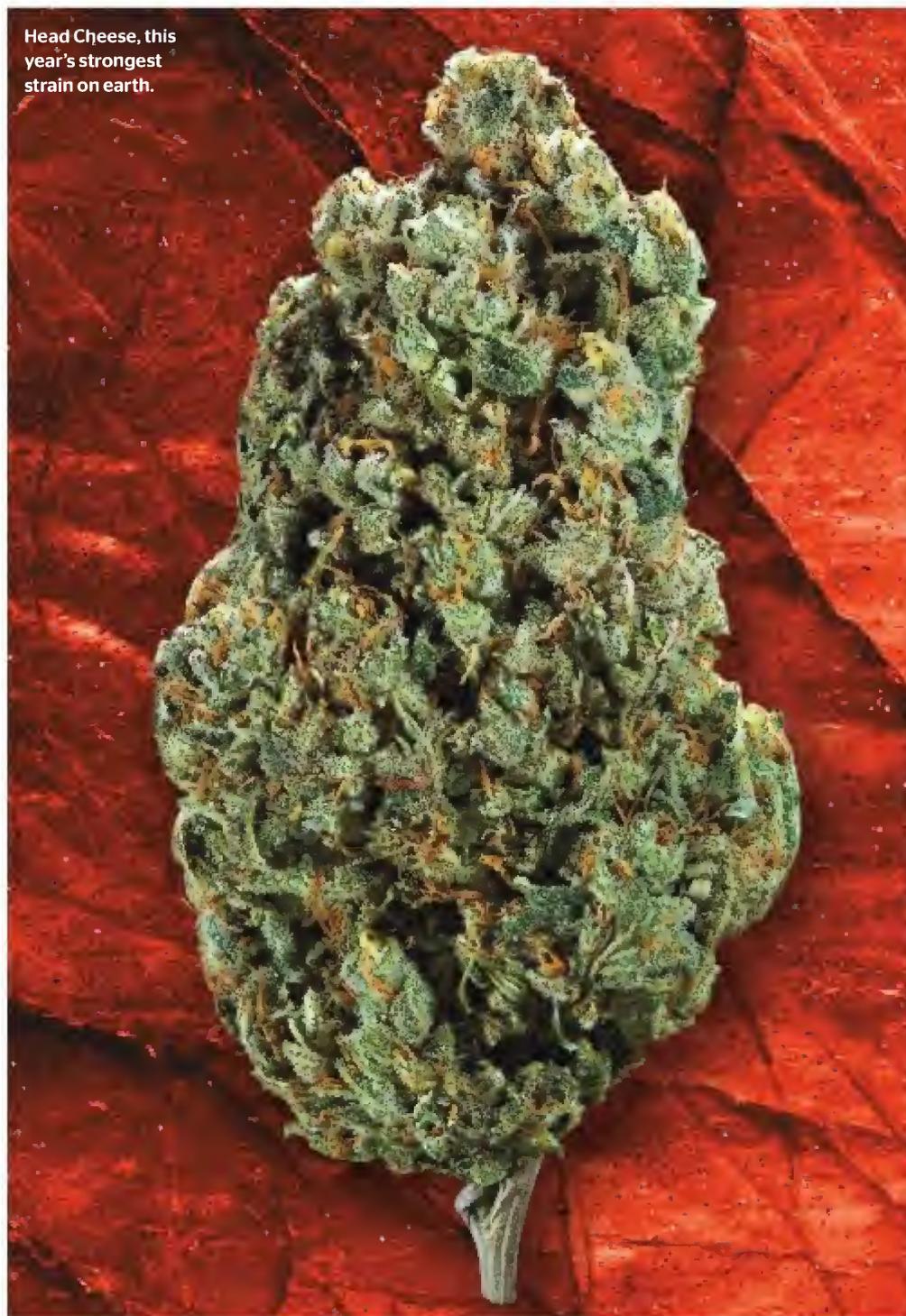
EARTH'S STRONGEST STRAINS

HIGH TIMES CERTIFIED AND LAB TESTED AT MORE THAN 20% THC.

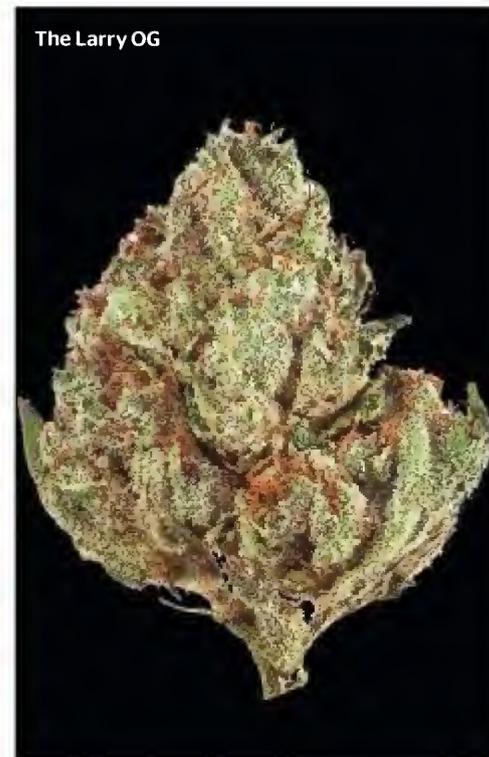


Super Lemon Haze hit 22.64% THC at the High Times Cannabis Cup this past November in Amsterdam.

Welcome back to our annual review of the strains that topped the THC charts at all five High Times Cannabis Cups in 2012. Of course, as every connoisseur of fine cannabis would wish, we've selected only those strains whose potency measured beyond the 20% threshold for this definitive list of the world's strongest strains. *By Nico Escondido*



Head Cheese, this year's strongest strain on earth.



The Larry OG

Los Angeles Medical Cannabis Cup, LA Center Studios, February 11-12, 2012

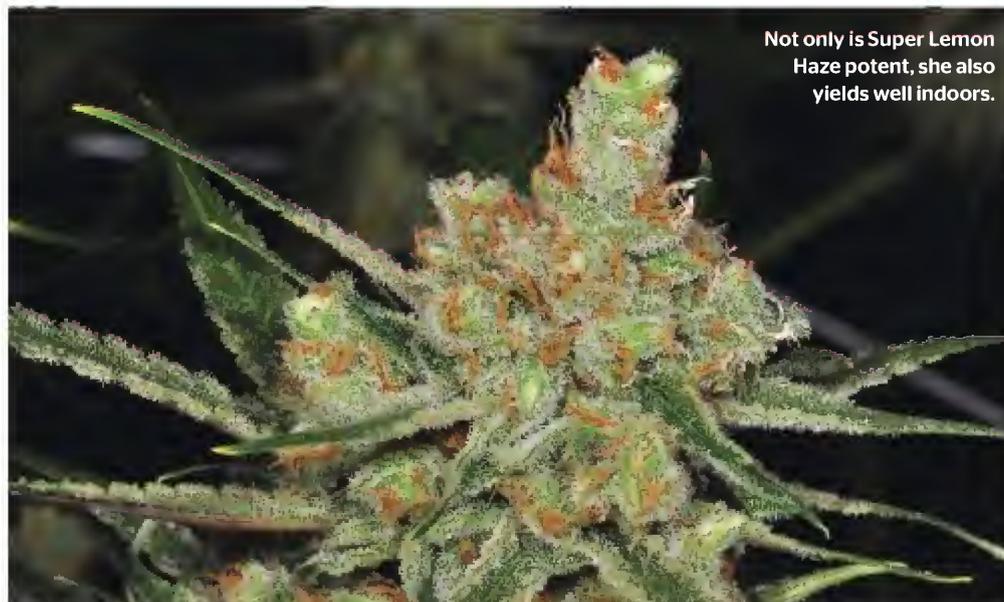
Testing Labs: The Werc Shop, Pasadena, CA, and Strain Genius Labs, LA

**24.79%
THC**

Head Cheese

Blunt Brothers

Our strongest strain of 2012, this mega-juiced hybrid hit nearly 25% THC and is the second-highest entry ever tested at a High Times Cannabis Cup! Grown from clone with synthetic nutrients in a hydroponic system, this Headband x Cheese is a solid eight-week-flowering strain that's also heavy in myrcene, a terpene that carries hints of garden herbs and hops for a sweet, tangy flavor.



Not only is Super Lemon Haze potent, she also yields well indoors.

**24.16%
THC**

Matt's OG

Kushmart

It's no surprise that a cut with this lineage takes second-place honors on this year's list. A master hybrid of sister phenotypes, Matt's OG is actually a mutt of Headband x Sour Diesel x Chemdog. With Chem D (a perennial champion when it comes to potency) among the parents, it's easy to see how this entry kicked it to the next level in terms of THC. The ranking also helps solidify LA's place as one of the strongest cities on earth in 2012.

22.64%
THC

Super Lemon Haze

One Love Herbal Collective

Grown from seed, this Amsterdam original—a cross of Lemon Skunk and Super Silver Haze—was created by the always formidable Green House Seed Company. The lemon half, which is native to the US, brings an overriding citrus flavor to the flower, and a terpenoid analysis (provided by the Werc Shop) shows extremely high levels of limonene and terpinolene, making this a tasty and potent super-*sativa*.

21.31%
THC

Larry OG

River City Phoenix

Last year, the Larry OG cracked our strongest strains list with a THC level of 21.46%, just a notch above this year's mark. This *indica*-heavy hybrid is a cross of two sister phenos, making it a virtual backcross that is beyond stable and comes with serious flavor to match its intense high. Some regard the Larry OG as a perfect mesh of OG North and OG South in the OG kingdom known as Cali.

20.73%
THC

Boost

Wolf Den

Perhaps the most unique strain in this year's list, Boost is an *indica*-dominant cross of a female NorCal Blueberry x Northern Lights and a male Sweet Tooth from BC. Both parents have been worked and backcrossed for over a decade now. But perhaps the most interesting aspect of this entry is that she topped 20% THC while grown outdoors organically—a rare accomplishment these days. Well done, Wolf Den.

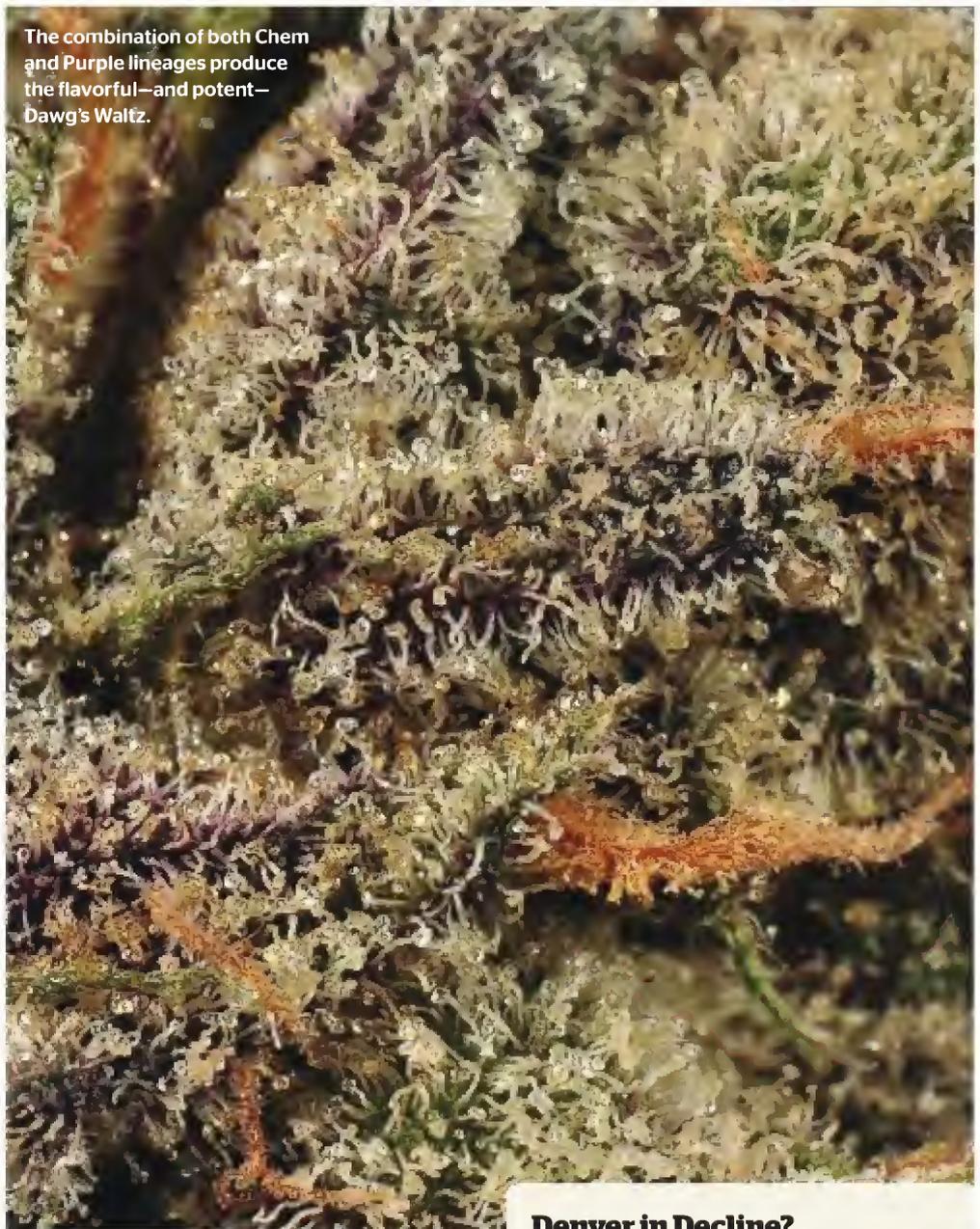
20.07%
THC

Strawberry Cough from Kushman Veganics

*Buds and Roses Collective
(2nd Place Hybrid Cup)*

We like to call this one a *High Times* original, since former cultivation reporter Kyle Kushman originally stabilized this glorious flower, whose lineage is hazy at best—and we mean that literally. A *sativa*-esque hybrid, the Strawberry Cough is definitely a Haze of some sort, though which partner this parent had is still up for debate. One thing is certain though: When you combine an “up” high of this potency with that pungent strawberry flavor, the result will earn you at least a second-place finish at the 2012 LA Medical Cannabis Cup.

The combination of both Chem and Purple lineages produce the flavorful—and potent—Dawg's Waltz.



Denver Medical Cannabis Cup, EXDO Event Center, April 21-22, 2012

Testing Labs: Herbal Synergy, Denver, and Colorado Mobile Testing, Fort Collins, CO

19.72%
THC

Dawg's Waltz

Natural Remedies

The year 2012 wasn't super-kind to Denver, as 2011's strongest city failed to see a single entry hit the 20% mark! Still, we couldn't leave out our beloved Colorado—one of two states that legalized pot in '12 and a stalwart in engineering many of the most potent THC strains on the planet. Not to mention that this Dawg's Waltz cut—a cross between Tres Dawg and Purple Urkel—came within 0.28% of the sacred mark and topped Denver's 2012 Cup class.

Denver in Decline?

Okay, we know what you're thinking, and we're big enough to admit a few things here. Last year, in our first-ever “Earth's Strongest Strains” list (May '12), we stated the following:

“Out of the 31 strains entered last year that tested over 20% THC, 19 of them came from the Denver Medical Cannabis Cup ... our apologies to the great pot cities in California and the Netherlands, but the hands-down winner of the 2011 potency challenge is Denver ... If you've got a problem with that, come on out to a Cup and prove us wrong!”

Well, California, you came back plenty strong from last year's disappointment to make your case—and we're listening. With no Denver strain even cracking the 20% threshold and San Francisco and Los Angeles out in force, the 2012 Cannabis Cup box score looks like this:

Strains with THC potencies of over 20%
San Francisco, 14; Los Angeles, 7; Amsterdam, 6; Seattle, 3; Denver, 0.
Certainly, a statement has been made.

Top strains like this Tahoe OG are obvious champs, even when still on the vine.



San Francisco Medical Cannabis Cup, Craneway Pavilion, June 23-24, 2012

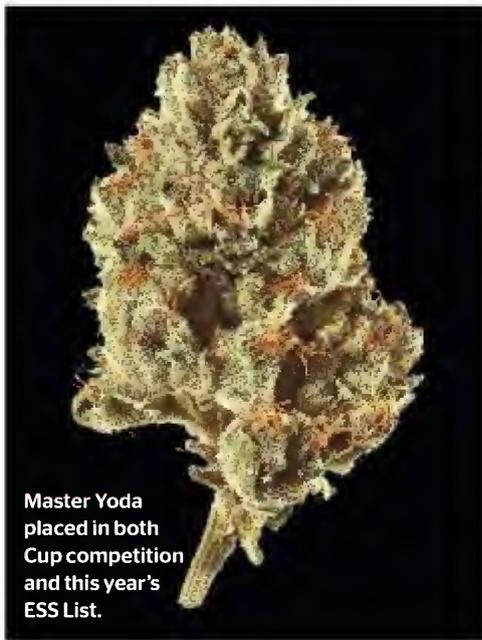
Testing Labs: SC Labs, Santa Cruz, and CW Analytical Laboratories, Oakland, CA

22.4%
THC

Master Yoda

Kush Connection
(2nd Place Indica Cup)

You may have noticed that, interestingly enough, many of the strongest strains on this list didn't actually *win* Cups, which simply goes to show that potency isn't everything. However, when one does win—like this Master Yoda, which took home second place for Best *Indica* in SF last June—it tells you that the strain has the right combination of strength, flavor, aesthetics and smokability.



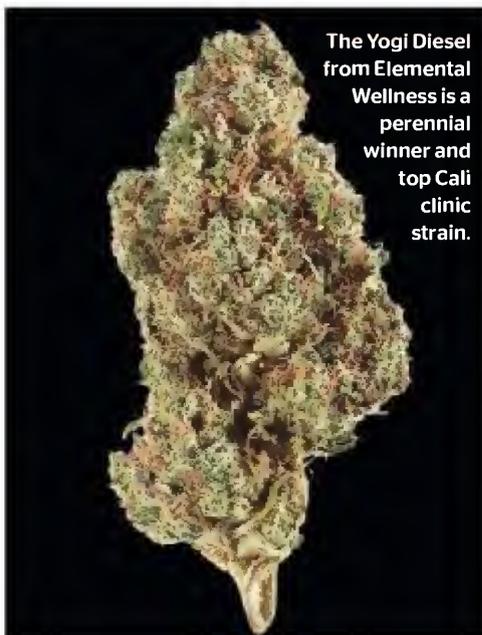
Master Yoda placed in both Cup competition and this year's ESS List.

22%
THC

Tahoe OG Kush

Harborside Health Center, Oakland

Our good friends at Harborside never disappoint, and this OG pheno is *pheno*-menal. Originating in the Tahoe region of NorCal and migrating south in clone form, this strain was grown in soil using the Dutch nutrient line House & Garden. At 22% THC, there's not a whole lot of tweaking that needs to be done here.



The Yogi Diesel from Elemental Wellness is a perennial winner and top Cali clinic strain.

21.2%
THC

Thin Mint Girl Scout Cookies

Waterfall Wellness Health Center

If you haven't heard about the Cookies craze yet, get ready, because the next big strain is already here and flying off the shelves. This original rendition borrows its name from the "Thin Mint" genre, but today she's better known simply as Girl Scout Cookies, with a spicy, cinnamon-sweet flavor and glistening trichomes all over her dark green leaves. Though her origins are still relatively unknown (other than that she hails from California), reports have her as some kind of Kush cross—possibly Bubba—with some Purple genetics mixed in. And when grown right, she checks in at over 21% THC. Yum!



Ahhh, the Girl Scout Cookies, perhaps the most popular strain of 2013!

21.7%
THC

Yogi Diesel

Elemental Wellness
(2nd Place Sativa Cup)

Here's a unique blend of buds rarely seen on the West Coast: an original East Coast Sour Diesel x Diesel x Northern Lights #5. This near-back-cross with a splash of *sativa* (from the NL #5) takes Diesel potency to new heights, tipping the scales at nearly 22% THC and winning second-place *Sativa* Cup honors in Richmond, CA, last summer. Oh, yeah, plus the name kicks ass—huh, Boo-Boo?

20.50%
THC

XJ-13/Cracker Jack

Santa Cruz Mountain Natural
(3rd Place Sativa Cup)

A strain that goes by many names, the XJ-13 is now a very popular *sativa* hybrid of Jack Herer x G-13. The G-13, of course, is a nice, fat "In your face!" to Uncle Sam, which allegedly developed the strain in a government program decades ago. Funny thing is that, at the time, G-13 was rumored to be the strongest strain on earth—and now here we are today, posting her offspring at 20.5% THC. Guess it wasn't a rumor, huh?

11X AWARD WINNER

SUPERCLOSET

#1 Selling Grow Boxes in the World

Top 15 Reasons Everyone Grows With SuperCloset!

SuperCloset is the **ONLY** Fully-Automated Grow Cabinet that has the following:



Deliver Video!

18. "Intra-Cool" Steel Cabinet
16-18 Gauge Steel, Beautiful, Safe, Clean, Powder Coated Black

14. Supercool Lighting System
Dimmable 250/360/400 HPS
Full Spectrum & Air-Cooled
FEATURING:
LUMATEK
ELECTRONIC BALLAST

13. Internal Circulation Fan
Adjustable for Perfect Airflow Everywhere

12. Fully Automated
Leave for up to 7 days

11. Superponics 3.0 Hydro System
Flower 1-16 plants up to 3x Faster and Easier with Superponics

10. Continual Harvest Rotation
Adjustable "Vegetation Chamber" can be raised, lowered, or removed



1. Removable Rear Access Controls
Controls on the back with the main power on. Locks

2. "Odor Free" Guarantee
Activated Carbon Air Filter

3. Adjustable Light Yo-Yo System
Maximum Photosynthesis Penetration

4. Three Year Warranty
for your entire SuperCloset

5. Up to 40% Bigger Yields
Exclusive Adjustable Net Trills and Larger "Easy Access" Flower Chamber

6. Triple Locking Door
Maximum Safety & Security

7. SuperCloner
50 Sites! 100% Cloning & Mother Success

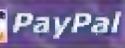
8. Lifetime Customer Support
7 Days a week from grow professionals

9. Comes with EVERYTHING you need, including your Nutrients, DVD, Ph Kit, TDS Pen and More

P.O. Box 988663
San Francisco, CA 94188



www.supercloset.com

PH: + 877. 476. 9787
Fax: + 415. 285. 0301

CONCENTRATE UTENSILS
VAPORIZORS
CLEANERS
PIPES
WATER PIPES
BUBBLERS
KRATOM
GREEN GLASS CLEAN
BACK ATTACK
and so much more now!

HEADSHOP STOP

YOUR ONE STOP ONLINE Head Shop

Visit Us Online at:
www.headshopstop.com

FUTURE COLORADO
RECREATIONAL MARIJUANA ENTREPRENEURS...

FOR SALE

\$29,000

- 7-YEAR-OLD COLORADO LLC
- 1 YEAR OF UNLIMITED LAW FIRM CONSULTATIONS
- 1-YEAR VIRTUAL OFFICE
- PREMIUM .COM DOMAINS
- BUSINESS CREDIT BUILDING PROGRAM
- TRADEMARKED LOGO
- INSTANT COLORADO RESIDENCY

WWW.420FOREVER.COM

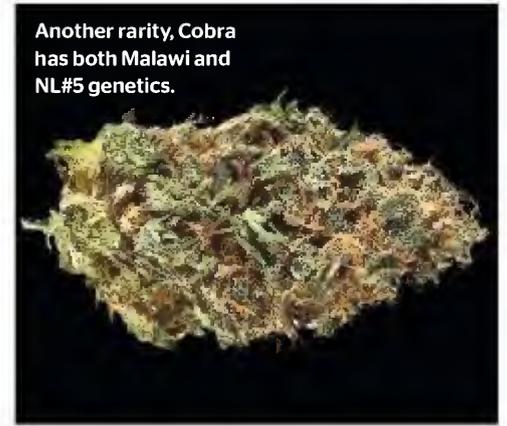
WANNA STRIKE GREEN GOLD IN COLORADO? HERE'S YOUR IN...

GAIN THE INCREDIBLE ADVANTAGE OVER ALL OTHER APPLICANTS

NEW ENTITY FOR CURRENT COLORADO MEDICAL MJ BUSINESS OWNERS



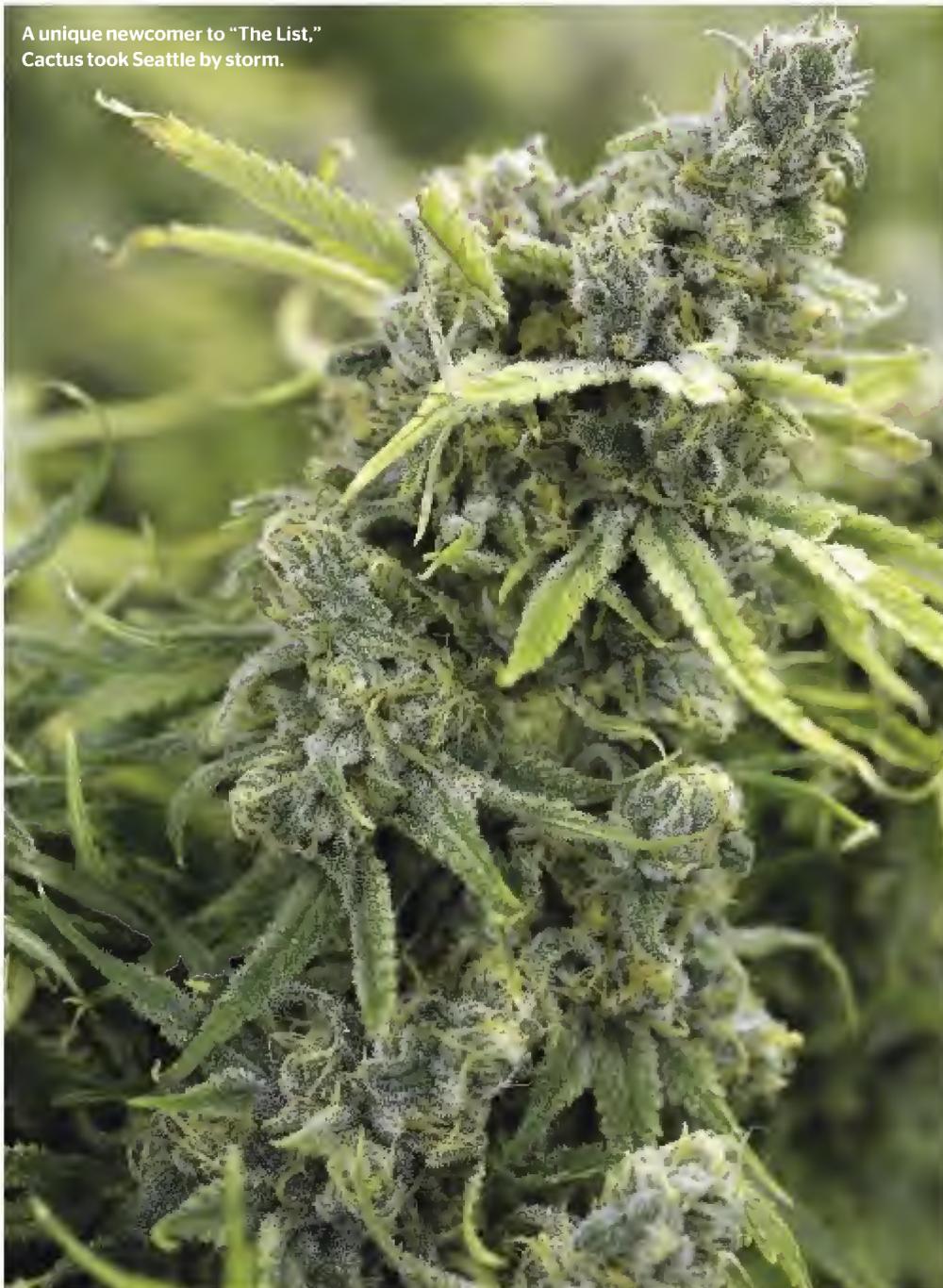
Blackberry:
Old-school flave
with new-school
potency.



Another rarity, Cobra
has both Malawi and
NL#5 genetics.

**Seattle Medical Cannabis
Cup, Fremont Studios,
September 15-16, 2012**

*Testing Labs: Analytical 360 and
NW Botanical Analysis, Seattle*



A unique newcomer to "The List,"
Cactus took Seattle by storm.

20.17%
THC

Blackberry

Altercare

An old favorite, this Blackberry entry is suspected to have a splash of Bubba Kush in her lineage, which could explain the healthy dose of THC this particular strain exhibited. Grown indoors, this strain is a heavy yielder; grown outdoors, she's extremely resistant to the hazards of nature. And at 20% THC, this spicy berry bud showed off some real old-school genetics—a reminder that we can always learn a lot from the past.

20.15%
THC

Cactus

Dockside Co-Op

(1st Place Hybrid Cup)

Our first-ever Medical Cannabis Cup in Seattle brought out some unique blends that combined serious flavor and potency—like this Hybrid Cup winner, simply named Cactus. A cross between Dutch Treat and Northern Lights #5, this strain was organically grown indoors and boasted a fruity Haze taste and power that had the judges giving it high marks ... very *high* marks, indeed.

20.12%
THC

Cobra

Delta 9 Seattle

Talking about unique strains, here's another first-timer we'd never seen before: Cobra.

This Malawi x Northern Lights #5 hybrid also does best organically and was grown indoors with a staggering flower time of 11.5 weeks! The wait was worth it, though, as the Cobra makes the big list in her first-ever Cup appearance.

THE **G**AME

JESUS PIECE

GBOX™



ENTER HTJP15 TO RECEIVE 15% OFF
WWW.GRENCOSCIENCE.COM



MEET THE ALL NEW STACKER

THE STACKER FEATURES DOUBLE GROW CHAMBERS THAT CAN EACH GROW FROM SEED THROUGH HARVEST! THE STACKER INCLUDES:

- 2 FULL SPECTRUM DURAMAX 270 LED GROW LIGHTS
- 2 HYDROPONICS KITS WITH NUTRIENTS
- EASY GROW GUIDE & FEED SCHEDULE



CLOSED VIEW

**Any Size
Any Style
Any Budget**







@UHYDRO
INFO@CABINETGROW.COM
/UNIVERSALHYDRO

888.54.HYDRO (888.544.9376)
www.cabinetgrow.com
**COME VISIT US LOCAL
IN IRVINE, CALIFORNIA**



PRE-ROLLED PAPERS

THE ULTIMATE PRE-ROLLED TOOLS FOR YOUR DISPENSERY

- ✓ APPROVED BY COFFEE SHOPS ALL OVER AMSTERDAM AND HOLLAND.
- ✓ QUIET AND SIMPLE TO HANDLE.
- ✓ 60 PRE-ROLLED READY IN 20 MINUTES
- ✓ FAMOUS IN AMSTERDAM SINCE 1999
- ✓ OVER 2,000 UNITS SOLD IN THE NETHERLANDS

FOR 60 PCS. KING SIZE OR 60 PCS. 1 1/4 SMALL SIZE

NEW IN USA

FOR 18 PCS. KING SIZE OR 18 PCS. 1 1/4 SMALL SIZE

WWW.CONES.NL

4PK 619-8087
1 1/4" x 28mm 110mg
per 600-925

4PK 619-8085
1 1/4" x 28mm 110mg
per 600-925

INFORMATION: INFO@MOUNTAINHIGH.NL or +31 653 1996 77





www.drgreenthumb.com

Some of our strains; Sour Diesel, Trainwreck, C99, Bubba Kush, G13, OG Kush, Iranian Auto, Cheese Chemdawg, Matanuska Thunderfuck, Sour 13, 747

ALL OF OUR FEMINIZED SEEDS ARE GUARANTEED 100% FEMALE.

Freedom 35

Fast finishing indoor plant

Totally finished in 35-45 days of 12/12

Good yield, superb potency, great bag appeal and taste

SALE! \$25 off Chemdawg until May SALE!

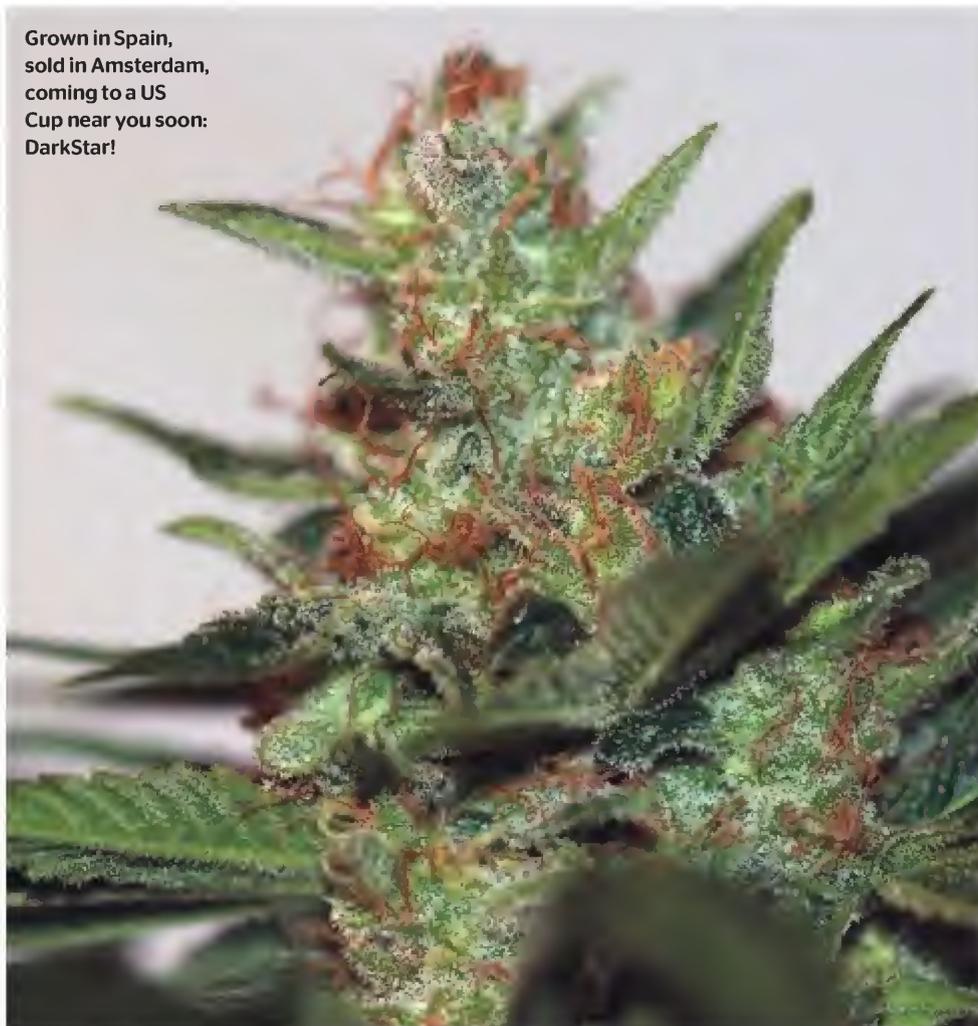
For a catalog including a \$10 off coupon, send \$5 to;
RWJ, Box 37085, Ottawa, ON, k1v0w9, Canada

Free world-wide shipping. Express shipping available
Information or phone orders call: 613-330-2404

"best stealth shipping in the business"

Trusted since 1996

Grown in Spain, sold in Amsterdam, coming to a US Cup near you soon: DarkStar!



22%
THC

DarkStar

T.H.Seeds Iberica

T.H.Seeds Iberica, the latest outpost of the Amsterdam-based dank dynamo T.H.Seeds, made quite the impression at their

Cannabis Cup debut in November. Their near-pure *indica* DarkStar brings some old-school favorites back into the mix, including Afghani genetics and the fabled Mazar strain from the very same region (lineage: Purple Kush [Hindu Kush x Purple Afghani] x Mazar-i-Sharif). She was specially grown organically for the Cannabis Cup, and some believe she can go even higher than the 22% mark—which is nice, but not really necessary.

21.7%
THC

Dog

Breeders' Boutique

Listed as a 75/25 *indica* hybrid, this Headband x OG Kush is actually 75% OG and 25% Sour

Diesel, with a genetic lineage that really looks more like (OG Kush x East Coast Sour Diesel) x OG Kush. Entered at the 25th High Times Cannabis Cup in Amsterdam by newcomer Breeders' Boutique, the flower exuded those Chem family flavors that seem to have eluded Dutch growers for the past decade, making it a top contender in the powerhouse *indica* category in November.



CloudV

The Ultimate Vaporizer



Color Choice

1-800-707-4206

CLLOUDVAPES.COM



INTRODUCING

THE DNA *Limited* COLLECTION



ALL STRAIN VARIETIES
LIMITED AND NUMBERED TO
NO MORE THAN **2000** PACKS, EVER.

AVAILABLE APRIL 2013

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD



Sint Nicolaasstraat 41
1012NJ Amsterdam
+31(0) 20 778 7220
Open from 10am 'til 6pm
info@dnagenetics.com

www.dnagenetics.com

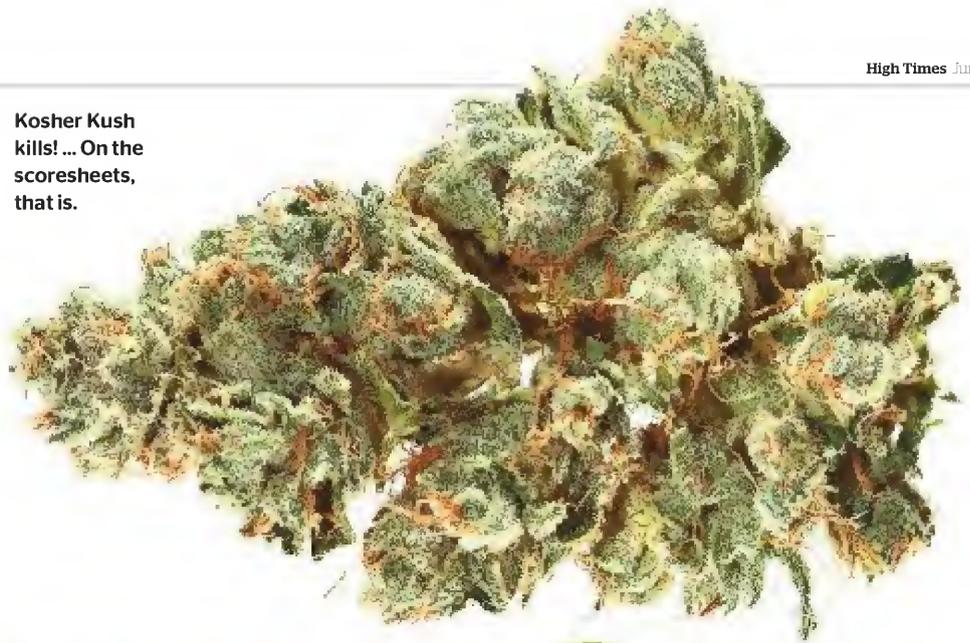
**21.5%
THC**

Sour Amnesia

*HortiLab
(2nd Place Sativa Cup)*

If you don't know the brand yet, get used to hearing about it. Since their debut at the 2009 Cannabis Cup, HortiLab have taken home an award with every attempt. Last year was no exception, as the HortiLab team grabbed second place with Sour Amnesia, which tipped the scales with their highest potency to date, at 21.5% THC. A *sativa*-heavy cross of East Coast Sour Diesel and Amnesia, this strain gets her Hazy qualities from the latter parent, which hails from southern Holland. Her East Coast (US) mother brings the trichome-rich potency that landed her a place on the list.

**Kosher Kush
kills! ... On the
scoresheets,
that is.**

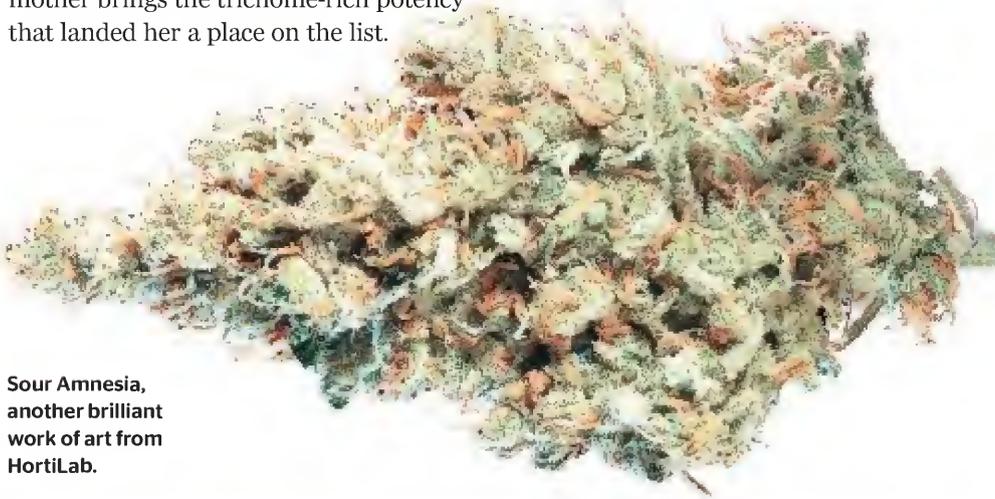


**21%
THC**

Kosher Kush

*Reserva Privada
(1st Place Indica Cup)*

Oh, the Kosh! Since her debut in 2010, this lovely lady has racked up win after win at cannabis competitions around the world. Sometimes described as a balanced hybrid, sometimes called *indica*-dominant, this strain just may be the most popular of all the OG phenos. This entry came in slightly under last year's 22.68% lab result, but as a consistent "over 20" on the THC scale, the Kosher Kush figures to be a regular on our annual list of one-hit wonders. ✨



Sour Amnesia, another brilliant work of art from HortiLab.

The Best Way to Nab Your Dab!

The Original

Honey Bee Extractors

100% Honey Oil From the Trim!

The NEW GLASS Killer Bee In 3 Sizes!!!

The Honey Bee

The Queen Bee

HOLDS 28g of DRIED FLOWERS

HOLDS 100g of DRIED FLOWERS

ORDER ONLINE TODAY at

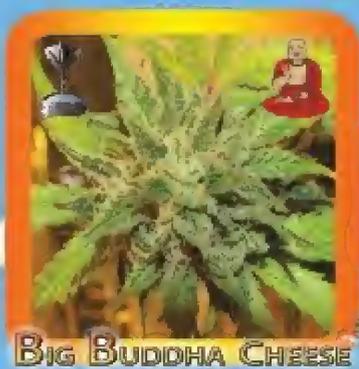
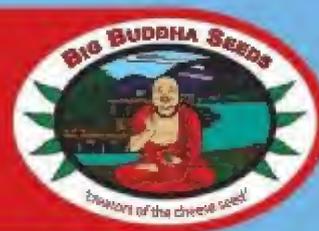
WWW.BUZZNN.CA

OR CALL 1-204-415-5724!

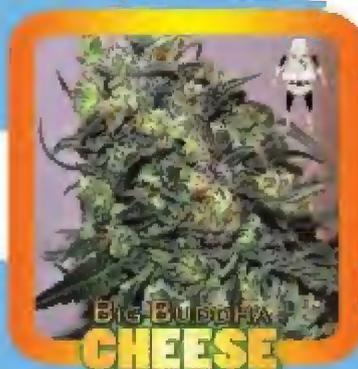
WHOLESALE WANTED!



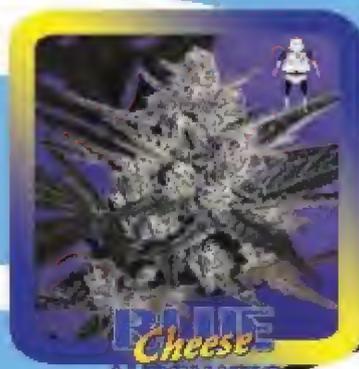
BIG BUDDHA SEEDS



BIG BUDDHA CHEESE



BIG BUDDHA CHEESE AUTOMATIC



BLUE CHEESE AUTOMATIC



BLUE CHEESE



CHIESEL AUTOMATIC



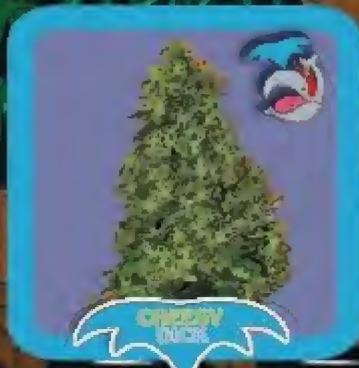
SUPER AUTOMATIC SATIVA



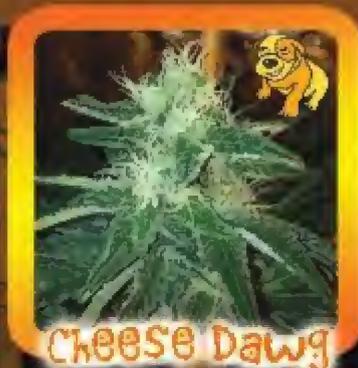
CRITICAL MASS AUTOMATIC



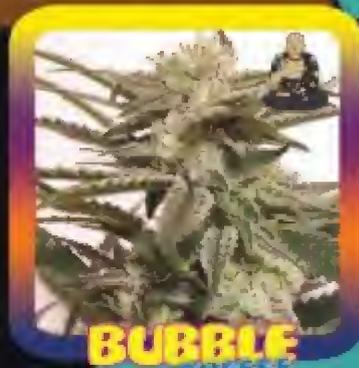
AUTOMATIC



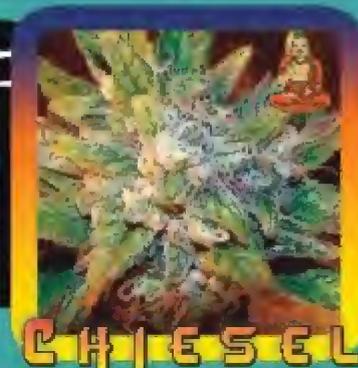
CRISPY INCB



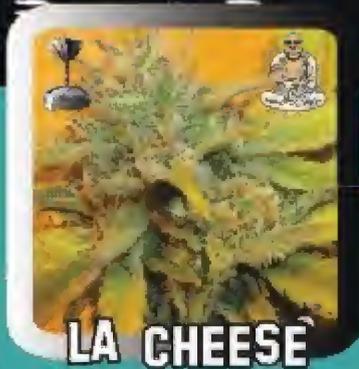
CHEESE DAWG



BUBBLE CHEESE



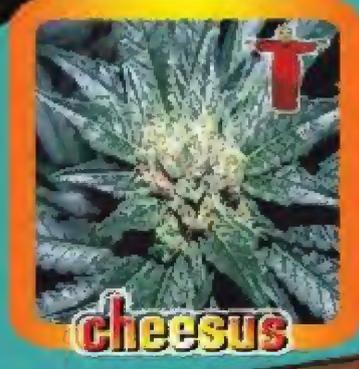
CHIESEL



LA CHEESE



FREEZE CHEESE 89



cheesus



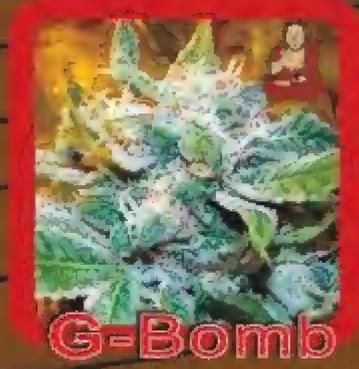
SILVER CHEESE



Buddha Tahoe



KALI KUSH



G-Bomb



Blueberry Haze

Building the Ultimate Root Zone

The first few days of a plant's life are often overlooked, but they are among the most crucial to success. Getting the best root system possible at this stage will not only increase your final yield dramatically; it will also result in healthier plants. *Story & Photos by Baron Wasteland*



- 4** (1) These empty peat pellets are ready to be soaked in nutrient solution for optimum absorption. (2) Here's all the necessary equipment for root zone success every time. (3) Place the pump securely at one end of your tray. (4) The screen support sits above the large tray. (5) The inline filter is attached to the pump. (6) Tubing attachments keep the flow of solution going to all cuttings. (7) Tubing sends solution to individual rockwool cubes. (8) Healthy white roots spring forth from the medium.

Tapping Your Roots

Here, we will outline the ultimate method for getting an outrageous root system for your plant from day one, letting you make the most of your time and space, with a faster-growing plant that can support more flowers. We'll cover how to easily make a homemade hybrid dripper system with integrated air pruning, which makes young plants produce an abundance of fresh, healthy roots. We'll also explore in depth the optimum feeding regimen so that your young plants get farther, faster, with their first tender steps—kind of like a kindergarten for your little green babies.



Shopping List

To get the ultimate root zone using this system, you will need to acquire the following (you may already have a lot of this kicking around):

- 3-inch rockwool cubes (1-inch hole, standard height)*
- Peat pellets (disks of dried, compressed peat that expand in water)*
- A large plant tray (it must be at least twice as large as the space needed for your rockwool, at least 3 inches deep and watertight)*
- A smaller plant tray for the tiny seedling stage (optional)*
- A hard metal screen to sit on top of the large plant tray (cheap greenhouse shelving works well)*
- A midsize pump suitable for dripper systems*
- An in-line filter between the pump and dripper manifold*
- A dripper manifold, to split the drip tube to each plant*
- Dripper tubing (buy a couple feet or meters more than you need)*
- Dripper stakes*
- A 24-hour timer, with 15-minute segments.*

A Gentle Weaning

There are plenty of articles about cloning and planting seeds, so let's skip that part and assume you're already gleefully about to take some cuttings or plant some seeds in preparation for the next crop.

All healthy root zones are born from high-quality soil or hydroponic substrate. Seasoned growers all have their favorite starter medium, whether it's soil, rockwool, perlite, clay pellets or coco. Any of these work just fine. But we don't want to settle for "fine"—we want the *ultimate!*

Peat pellets with no added nitrogen (N), phosphorous (P) and potassium (K) for the first couple of days provide the best start for many of our favorite plants. Peat pellets are full of gentle, natural nutrients, so by using them at this early stage, we give an organic weaning to the plant when it is at its most fragile. (This will ease the transition if you switch to mineral feed later in the grow.) Peat pellets also have a little more moisture retention than rockwool, which we'll use to our advantage in the next few stages.

Soak the peat pellets in some warm water, pH-adjusted to 5.6. At this stage, you should *not* add any NPK fertilizer, only a little root booster (Rhizotonic or similar). Adding *Trichoderma* fungus at this stage too (BioPac/Aktrivator or similar) creates an amazing secondary root system that grows with your plants' own roots, allowing more efficient nutrient uptake and also guarding against pythium and other substrate horrors. Using a good enzyme product throughout the cycle helps the rhizosphere (i.e., root zone) stay healthy, process dead tissue and convert it more quickly into nutrients.



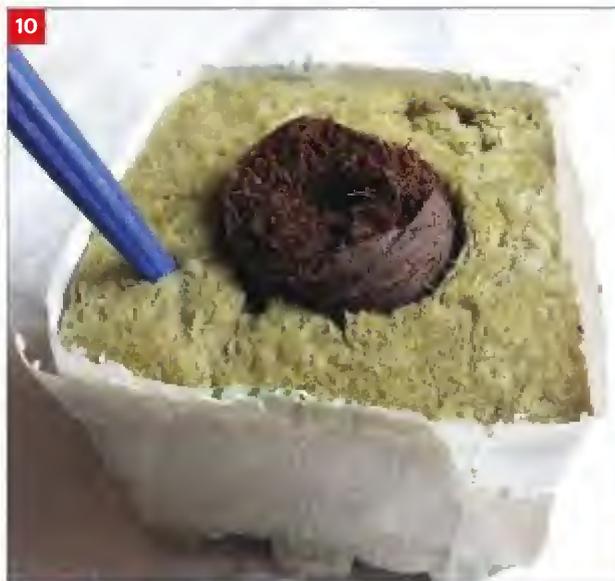
Fast-Flushing the Rockwool
After the first roots peek out from within your peat pellets, it's time to transplant into your rockwool cubes. Before you do this, you need to remove the residual lime in the rockwool from manufacturing. This must be flushed out fully to prevent the substrate's internal pH being raised way too high.

A common misconception is that rockwool progressively raises the pH of your plants. This is untrue; rockwool is pH-stable once flushed properly. The reason pH can rise in the substrate is actually the plants' active growth, so this is a good sign—as long as you correct it back down before it gets too high. (More on this later.)

A common practice is to soak the rockwool cubes overnight, but this is time-consuming. A much faster process is the three-stage flush. First, soak them in hot water, squeezing them around and generally being a little rough with them to break the cubes up a bit, which gives them a fast flush of the lime. Leave them to soak for five minutes, then squeeze the cubes out and discard all this liquid.

Flush two is in hot water again, but you can treat the cubes nicer this time—just a few light squeezes under the water, then let them soak for half an hour. Discard this water. The third flush is done with lukewarm water adjusted to pH 5.5, in which the cubes are left to soak for half an hour. Discard this solution and squeeze most of the liquid out of your cubes. Now your rockwool is ready to receive the nutrients and plants!

Because our babies already have roots peeking out from the peat pellet, we can now prepare a very light solution of veg-stage NPK nutrients, root booster, seaweed extract and *Trichoderma* for the rockwool. At this stage, we take the mix to only 1.1 EC from seed (1.2 EC if from cuttings) and bring the solution to pH 5.5. Soak your rockwool cubes in this solution for an hour. Carefully drop your plants into the rockwool, gently close up any gaps between the peat pellet and the cube, then sit back and feel pleased with yourself.



12 (9) Always test the entire system before adding live cuttings to your regimen. (10) Each individual cube has its own dripper stake providing nutrient solution to the root zone. (11) The first new cluster of roots peeks out of the growing medium showing the potential of the ultimate root zone program. (12) A closeup of emerging roots shows healthy white growth ready to be pruned.

Nutrient solution is pumped through the rockwool, dripping out below into the tray to create an active recirculating system.

Hydroponic Kindergarten

Now it's time to assemble our incredible ultimate-rooting hydroponic system. We will keep the plants in this system only for a week to 10 days, but it gives them the best possible start before you install them in their final home. Nutrient solution is pumped through the rockwool, dripping out below into the tray to create an active recirculating system.

The magic comes with the screen: As the roots grow through, they hit the air and the tips die off, triggering an explosion of new root growth from within. We time the plants' feeding schedule and adjust the nutrient composition to encourage the most extreme roots possible before we transplant them to their final site.

Sterilize your trays, pump and screen. Diluted hydrogen peroxide or isopropyl alcohol works well and doesn't leave any residue that's unfriendly to plants. Put your small tray down on the bench and attach your pump to the base, toward

the back end of the tray and away from the center. Lay your screen over the tray. Next, fit your in-line filter to your pump, then your dripper manifold and tubing. The pump filter and manifold should be sticking up through the hard screen.

It's better to use the smaller plant tray at this early stage, because you won't need to make up such large quantities of feed just to get the depth high enough for the pump to work efficiently. Using fewer nutrients is more economical and better for the environment, with less waste solution. As the plants grow too large for the small tray, you can simply lift the screen, pump, plants and dripper, all in one convenient movement and swap the bottom tray for a larger one.

If your screen is unsupported anywhere, you can place a couple of metal rods across the top of the tray under the screen, supporting the weight of your wet rockwool. Alternative methods are to fold up the screen edges carefully to give some rigidity or, better yet, just get a larger

screen and cut it to fit, leaving an inch or so of overlap all around the large tray.

Think about your plants' spacing and cut your dripper delivery tubing to reach each one easily, but avoid leaving masses of excess tubing to get in the way when the plants are tiny and bunched closer together. Depending on the strain you're growing, you may need to allow for as much as a 12-inch circumference of space per plant by the time they're ready to transplant again (in about 10 days).

Now it's time to install the plants. Place them directly onto the screen and push a dripper stake into each rockwool cube. It's easiest to work from the one closest to the pump outward. If you're working with seedlings, they are still absolutely tiny at this stage, so you can bunch up the cubes to make the best use of your light coverage, then space them out as they grow so that none of the plants ever touch each other at this early stage. If young plants feel restricted, they won't develop good lateral branching.



HORTI
LAB



Photo: Erik Biksa

2ND PLACE - SATIVA 25TH HIGH TIMES
CANNABIS CUP - SOURAMNESIA

WWW.HORTILAB.NL

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD

Optimizing Your Feeding Schedule

Make a full-spectrum vegetative-stage nutrient solution with NPK plus micronutrients and root booster. We still need to keep the solution light at this stage, so we mix until we measure 1.1 EC for seedlings, 1.2 EC for cuttings. Tip this into your tray, which conveniently acts as your tank as well. Test that the pump and dripper are working as they should be, with an even flow from all the dripper stakes.

The nutrient solution should fill each cube and drip through back into the reservoir from multiple points at the base of the cube. Also, make sure the dripper tubing isn't pulling the stake back into the plastic wrapper on the rockwool or you'll risk some of the nutrient solution running down the outside and missing the young plant altogether.

If growing from seed, increase the nutrient strength to an EC of 1.2 after the plants have been in the rockwool for three days, and keep it there until transplanting next week.

Often, when people use dripper systems, they use a very fast timer to replace only a small amount of nutrient solution per feed. This approach will lead to inaccurate pH measurements, since as the plant grows, the pH inside the cube rises

too—and by only replacing tiny amounts of nutrient solution, you're simply compounding that problem! But by running the pump for 15 minutes at a time, you allow the fresh nutes to permeate every part of the cube, pushing out the old solution. You should see it dripping out from different points across the base.



When the plants are first installed in the rockwool, the roots will be minuscule inside the peat pellets, so we only run the pump once a day for 15 minutes in the morning, since we want the cube to dry out slightly over the day to stimulate root growth. As soon as you see the first roots coming out of the base of the rockwool cube, run the pump twice a day, in the morning and early afternoon. When these first protruding roots have withered and died back and you see

the reactive cluster that follows leaping out of the base, you know the system has worked. Keep the feed strength at 1.2 EC, the pH at 5.5 and feed this four times a day, 15 minutes each time. Have the last feed about two hours before lights out.

As the plants grow, you will see the most outrageous root system emerge. Allow the roots at the bottom of the cube to die repeatedly and hold your nerve—keep them on the screen for about another week, until the cube is carpeted in fresh, vibrant roots. Increase the number of feedings per day gradually over the week, judging by how long it takes for the cubes to feel lighter. By the time the plants are ready to move on, you will need to feed them about eight times per day (in an 18-hour veg “day”), since there are too many roots to fit in the cube and the plants will be thirsty and dry out fast. This is why the extra water-retentive properties of the peat pellet work in our favor now, by holding a little extra moisture for longer right at the core.

Peek down the side of the plastic wrapper and you should see a mass of pure, healthy white roots, looking like the cube in the picture. The plants are now ready to transplant into their final home. Enjoy your massive yield! ✨

THE GOLD STANDARD

since 1973



22 KT GOLD PLATED
LAVASTONEWARE™

CELEBRATION PIPES™

WWW.CELEBRATIONPIPES.COM



The Purps

With cannabis now legal in two states, Ken Estes of the Grand Daddy Purp Collective gets his operation ready to compete with Big Tobacco, Wall Street, corporate America and a brand-new breed of high-flying pot entrepreneur. *By David Bienenstock. Photos by Lochfoot*

Ken Estes graduated from high school in June 1976, a promising student athlete who'd lettered in three sports, earning a college scholarship along the way. A month later, however, a horrific motorcycle accident left him paralyzed from the neck down.

After doing what little they could to help, his doctors prescribed massive doses of pharmaceutical painkillers and deposited Estes in a rehabilitation facility, where he would languish for the next six months, rotting away in a narcotic stupor. Until, one fine day, he met a group of Vietnam-vets—patients at the same rehab facility—who offered to share some of the marijuana they'd been using medicinally to treat and heal both body and mind. The teenage paraplegic had never smoked pot in his life but felt he had little to lose.

"My nurse wheeled me over to them and then took a hit himself before holding the joint up to my lips," Estes recalls. "When they brought me back to my room, I slept all night and woke up in the morning with an appetite. During the previous six months on pills, I hadn't slept like that and hardly ate. I'm over six feet tall, and I went from weighing 160 pounds down to 100."

Today, Estes remains in a wheelchair, but he's regained limited use of his upper body. He credits marijuana with providing not just the healing but also the hope required to overcome adversity and become the driving force behind one of California's leading medical marijuana collectives.

"Really, that first puff was the turnaround in my life," he says. "I was going to die in that terrible condition—until this herb made me hungry and helped me sleep,

Patrol

Beneath air-cooled 1,000-watt lights, the Grand Daddy Purp grow team cultivates medicinal-grade cannabis.



so that I could start to recover.’

Named for Estes’ signature strain, the Grand Daddy Purp Collective retains deep roots in the Bay Area, where it currently provides a full range of top-quality cannabis medicine, seeds and clones to legal medical marijuana users out of a storefront location in Richmond, CA, with plans to distribute soon via more than a dozen leading dispensaries throughout the state. In 2011, the collective’s Bay 11 entry took home top honors at the High Times Medical Cannabis Cup in San Francisco, while Granddaddy Purp ranks among the most recognized names in kind bud history.



At six weeks, Granddaddy Purp begins to turn purple; a week later, it expresses its full coloration.

Estes and his team gather at an undisclosed location tucked away in a nondescript industrial park, where they grow their top strains in strict accordance with California's medical marijuana laws. Running a collective, at least in California, remains shrouded in a legal gray area, but that doesn't stop Grand Daddy Purp's strategic team from planning for a far different future.

"We're positioning ourselves so that, as things go more corporate, we're already there," says Ernie Cefalu, a graphic-design and marketing expert who's working closely with Estes to help build the collective from a mom-and-pop-style operation into a fully integrated, fully optimized brand capable of surviving and even thriving in post-pot-prohibition America. "Now that Colorado and Washington have made it legal, that genie will never go back in the bottle. So we've got to ask ourselves three questions: How can we best bring America this great product? How can we create good jobs while doing so? And how can we be a benefit to society?"

Cefalu—who earned legendary status in the 1970s by designing album covers and artwork for Cheech & Chong, Alice Cooper, George Carlin and *Jesus Christ Superstar*—remains best known as the artist behind the original Rolling Stones

lips-and-tongue logo. Later, he went on to a long and prosperous career in brand development for some of the nation's largest corporations.

"I worked for Fortune 50 companies, and I know that some of them are seriously looking at this industry with bated breath, just waiting," Cefalu explains. "When corporate America shows up with the big checkbook—the one that can accommodate all those zeros—they're going to be looking for companies that have all the moving pieces working together in harmony, like a fine Swiss watch. And I don't think we have much further to go before that starts to happen."

Cefalu's first encounter with the Granddaddy Purp strain came when he was searching not for business, but for relief. Stricken with cancer in 1999, Cefalu ended up so zonked on pills during his recovery—"literally drooling on myself"—that a concerned friend who happened to be in the know when it came to cannabis suggested tracking down some of that purple weed that was going around. Word had it that the stuff really worked for pain.

"I spent 3,000 bucks that year buying Granddaddy Purp from every collective I went into, because they all had it," Cefalu recounts. "But you know what? None of them had it for real—until I met these guys."

That proliferation of imitators was one reason he encouraged the collective to begin offering its strains exclusively through authorized dispensaries—which could then, in turn, assure their customers that they were getting the genuine article direct from the source.

The Strain Seeker

Estes' journey as a marijuana grower and breeder began with a tiny, one-light hydroponic setup in the closet of the one-room apartment he lived in right after leaving the rehab facility. At first, he didn't even know enough to switch the light cycle to 12/12 to induce flowering.

After getting well acquainted with the day's top imported *sativas*, such as Thai Stick, Panama Red and Colombian Gold, Estes next devoted serious time and effort to investigating the new generation of hybrid varieties that ingenious local breeders were just then developing to flourish indoors. When he heard wild tales about something called Skunk, he took an eight-hour drive up into the Humboldt Hills to seek out some for himself.

"You had to go up there," Estes says, "because otherwise the best stuff never leaves the area—everybody keeps it for their own heads."

He still fondly recalls the first time

Granddaddy Purp



HIGH TIMES
GRANDDADDY PURP





Bay 11





ONTARIO SEED BANK

YOUR SOURCE FOR THE STRONGEST NORTH AMERICAN STRAINS



CHECK OUT THE TRUE ORIGINALS AT ONTARIOSEEDBANK.CA NO LICENSE REQUIRED!

SHOP IN PERSON IN A SAFE ENVIRONMENT



416-255-5355

3351 Lake Shore Blvd W - Toronto, ON M8W 1N1
MON to SAT 10am - 5pm | SUN 10am - 3pm

DANK DELIVERY LINE 416-255-9333 FREE DELIVERY ON ORDERS OVER \$25

DON'T BE FOOLED BY O.S.B. WANNABES!
GO TO THE REAL SOURCE AT ONTARIOSEEDBANK.CA

Canadian owned and operated.

Directions: Take QEW Toronto to Cawthra Rd exit, then south on Cawthra to Lakeshore Blvd. Go east on Lake Shore Blvd for 5 miles. Look out for the neon '420' sign on the south side of the street.



he encountered the variety that would become his calling card in the world of cannabis. Fortunately, by the time a Black-foot Indian he'd befriended in southern Humboldt came to him with a gift of the original Granddaddy Purp, Estes understood exactly how to grow it out, collect the pollen and backcross it. He also knew to let his mother plants flower out each year and then start new mothers in order to keep the strain strong and preserve its potent *indica* lineage for future generations.

Marijuana Movement

In 1993, Estes got directly involved in the burgeoning medical marijuana movement after reading a newspaper account of the arrest (and later release) of Brownie Mary, who famously provided thousands of free marijuana-infused desserts to San Francisco AIDS and cancer patients long before it was legal. Estes was so inspired by her story that he had the article laminated and kept it in his wallet, with plans to show it to the cops if they ever busted him.

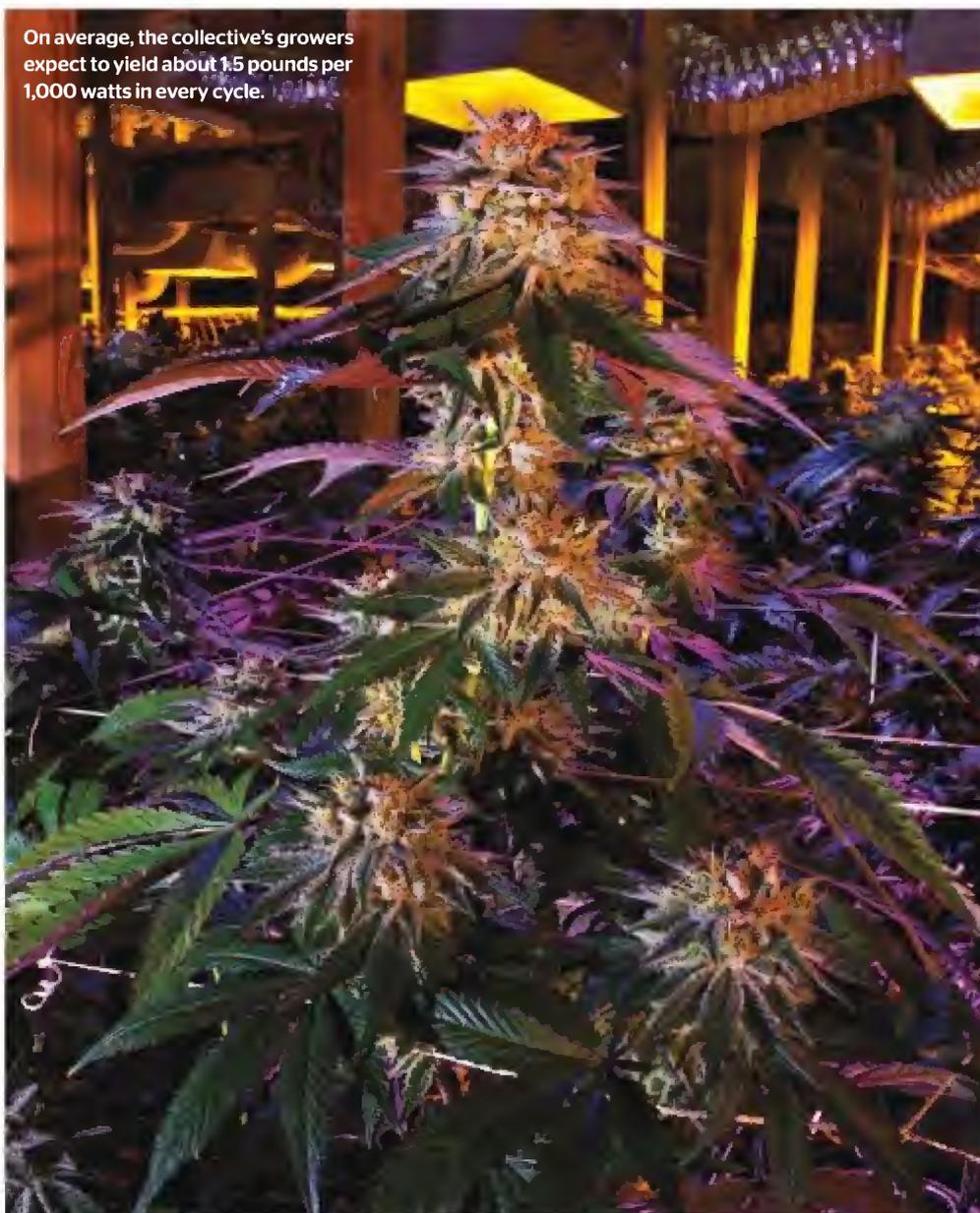
"It was like my first cannabis card," he says.

Spurred on by Brownie Mary's example, Estes quit working at the string of successful tanning salons he'd opened after graduating from Cal State and turned his attention full-time to the fight for medical marijuana. Well aware of all the plant had done for him, he felt a responsibility to speak up against the oppression of patients who used it for healing—especially those who couldn't speak for themselves.

"A lot of people get broken down or even beaten when they're in a wheelchair, but I hadn't," he declares. "I had the energy and the gumption to get out there and tell the truth: that medical marijuana patients needed safe access to a better alternative, because the pills were *killing* us."

After working with Denis Peron and other early pioneers of medical marijuana distribution, Estes opened one of the very first storefront collectives in California, not long after Proposition 215 made it the first state to legalize medical marijuana. A string of openings and closings would follow, as Estes formed and folded collectives throughout the Bay Area amid a series of armed robberies and law-enforcement raids that left him frequently at odds with the local government—and even some erstwhile allies in the medical marijuana movement.

A stony survivor of the many ups and downs in the medical marijuana movement, he's managed to roll with the punches ever since—and, in the end, may even come out on top.



On average, the collective's growers expect to yield about 1.5 pounds per 1,000 watts in every cycle.



"When corporate America shows up with the big checkbook—the one that can accommodate all those zeros—they're going to be looking for companies that have all the moving pieces working together in harmony, like a fine Swiss watch."

Inside the Grand Daddy Growroom

"I knew the Granddaddy Purp was really special the first time I smoked it," Estes recalls as he enters a beautifully maintained growroom full of that famed strain and half a dozen others. "That's why I gave it to my growers and offered them a premium to produce it. My first collective went from five people on the first day to 500 in the first month, and then on up to 5,000."

Estes has designed this entire operation to allow him full access in his wheelchair, including the large vegetative and flowering rooms and the smaller spaces for drying, trimming and curing.

Neatly arranged beneath air-cooled 1,000-watt lights, rows of Granddaddy Purp, Girl Scout Cookies, Ken's Kush, Phantom and even some experimental

varieties sprout up stout and sticky. Ken and his small cultivation team typically space out six plants beneath each light, harvesting 25 percent of the garden every two weeks—a steady supply of medicine that arrives in manageable amounts.

"With the Granddaddy Purp, the white hairs on the bud will start to turn red towards the end," Estes notes after closely inspecting a bud that's nearing full maturity. "We wait until it gets to about 50 percent red hairs before we harvest, when the trichomes just start turning amber." On average, the collective's growers expect to yield about 1.5 pounds per 1,000 watts in every cycle. They've been experimenting with both soil and coco-based mediums.

Estes says one of the keys to bringing

Digital Vacuum Drying Ovens

Across International VO series ovens are the BEST choice for the curing and converting of botanical extracts. With deep vacuum levels of up to 80 microns (VO-16020v or VO-16050v models), they can operate at temperatures which allow evaporation and degassing/purging process to occur rapidly, and thus increase productivity and allow for the production of superior quality products with minimal processing time.



VO - 16020v 0.9 Cu Ft Ambient to 500°F Vacuum Oven with High Speed Pump & Mist Filter at \$ 2,790



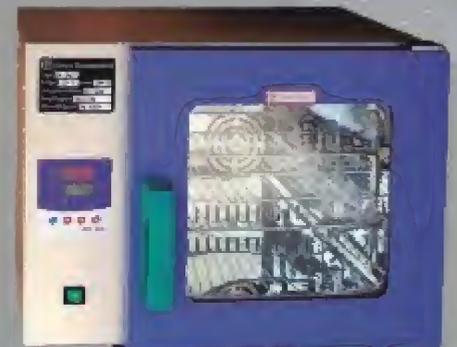
Picture of botanical extract provided by our client Trichome Technologies



VO - 16020 0.9 Cu Ft Ambient to 500°F Compact Vacuum Oven at \$1,290



VO - 16050p 1.9 Cu Ft Ambient to 500°F Vacuum Oven with Compact Pump & Mist Filter at \$ 2,250



FO - 19053 1.9 Cu Ft Ambient to 400°F Forced Air Oven at \$ 1,299

Across International FO series forced air ovens are excellent for rapid decarboxylation. They will rapidly convert THCA into Δ^9 -THC. With their gentle airflow and microprocessor based temperature controls, any model can accommodate rapid air drying of your products.

You can find more information at

http://www.AcrossInternational.com/Drying-Ovens_c15.htm



Granddaddy Purp to its full potential is providing plenty of air circulation. This room runs six air conditioners that provide 25,000 BTUs of power each, plus a 10-ton central air conditioner and a powerful charcoal filter on the exhaust system. CO₂ burners at each end create a carbon-rich environment that supports rapid growth, while pulleys attached to the lights allow them to be raised steadily as the plants grow taller, which means they can be kept between 18 and 22 inches away from the canopy, depending on the strain.

At five to six weeks, Estes and his team strip-clean all the lower branches to allow for maximum airflow, while encouraging each plant to fully develop its uppermost colas until they're thick with round, dense, sticky nugs. They also lower a net to support the branches, as the weight of so many swelling buds makes the plants dangerously top-heavy.

At six weeks, Granddaddy Purp begins to turn purple; a week later, it expresses its full coloration. "You can make any strain turn purple at the tips by exposing it to low temperatures," Estes says. "But my strain is purple all the way through due to its genetics."

Granddaddy Purp flowers for eight weeks, ideally at 50 percent humidity and



temperatures between 70°F and 78°F. (Above 81°F, the plants will no longer turn purple.) The harvested branches are dried upside down and not on racks, which can damage the buds.

"We hang them upside down so the buds retain their round, spherical shape. That's part of how Granddaddy Purp grows. It's not wispy—it's a solid-cola bud that's very dense. You squeeze it, and it should be like a hardball."

Corporate Cannabis?

Asked point-blank, Estes and Cefalu won't say whether they plan to compete with Wall Street, Big Tobacco and whatever other dark forces capitalism will unleash themselves on the cannabis industry in the near future, or simply line up for a taste of that oversized check-book. But either way, it's clearly important to both of them that people who care about the plant—and the patients—continue to have a strong voice in the way it's grown and sold.

"I do wonder how the whole game will change, with legalization right on the heels of the medical marijuana movement," Estes says. "We've built a local nonprofit model after dealing with law enforcement and adversarial politicians and zoning boards pushing us into strip malls. So what happens when suddenly Walmart starts selling pot—or the liquor store's got it?"

No one can tell what the future holds for a legal cannabis industry. But for the time being, only those with the foresight to plan ahead can reasonably expect to compete in an emerging world where growing the nation's favorite green herb will no longer require breaking the law. ✨

BETTER WATER = BETTER YIELD



TAP MASTER™ ARTESIAN HYDROGARDENER™ REMINEERALIZING REVERSE OSMOSIS (RO) WATER FILTRATION SYSTEM

- Removes 98% chlorine, chemicals, heavy metals, and hardness
- Adds 15-30 ppm cal/mag
- 150 gallons per day production; 2:1 waste ratio
- Filtration to 0.001 microns
- Modular Filters for easy service
- Non-electric pump reduces water waste up to 80%*

1.877.693.7873

www.ThePerfectWater.com

*Hydrogardener Pro™ Model



Know the best & wear your Knowledge



A symbol of quality and clothing for the 420 connoisseur



Original Custom Comfort tee and "K Bud" cover

available at

KINGOFQUALITY.COM

King of Quality™, the Card logo and the 'K Bud' logo are the trademarks of CAPSTAN Concepts & Designs, Inc.



The only all-natural, organic CO₂ generator.



Available at retail stores worldwide

Boost Bucket and Pump Kit

Increase yields up to 75%!

co2boost.com

800.955.8381

SAVE YOUR STRAIN

TIRESIAS MIST



Tiresias Mist is a naturally occurring mineral mixture that allows growers to isolate a branch of a female plant and enable it to produce male characteristics (i. e. pollen sacs). Because the genetics originate from a female plant, you will only have feminized seeds. . . **GUARANTEED!**

Available Online at [www. DrTsRemedies.com](http://www.DrTsRemedies.com) or at your local hydro store

100% Money Back Guarantee • 1-877-220-6478



AFFILIATE OF 3RD GEN FAMILY

"THE CALIFORNIA KID"

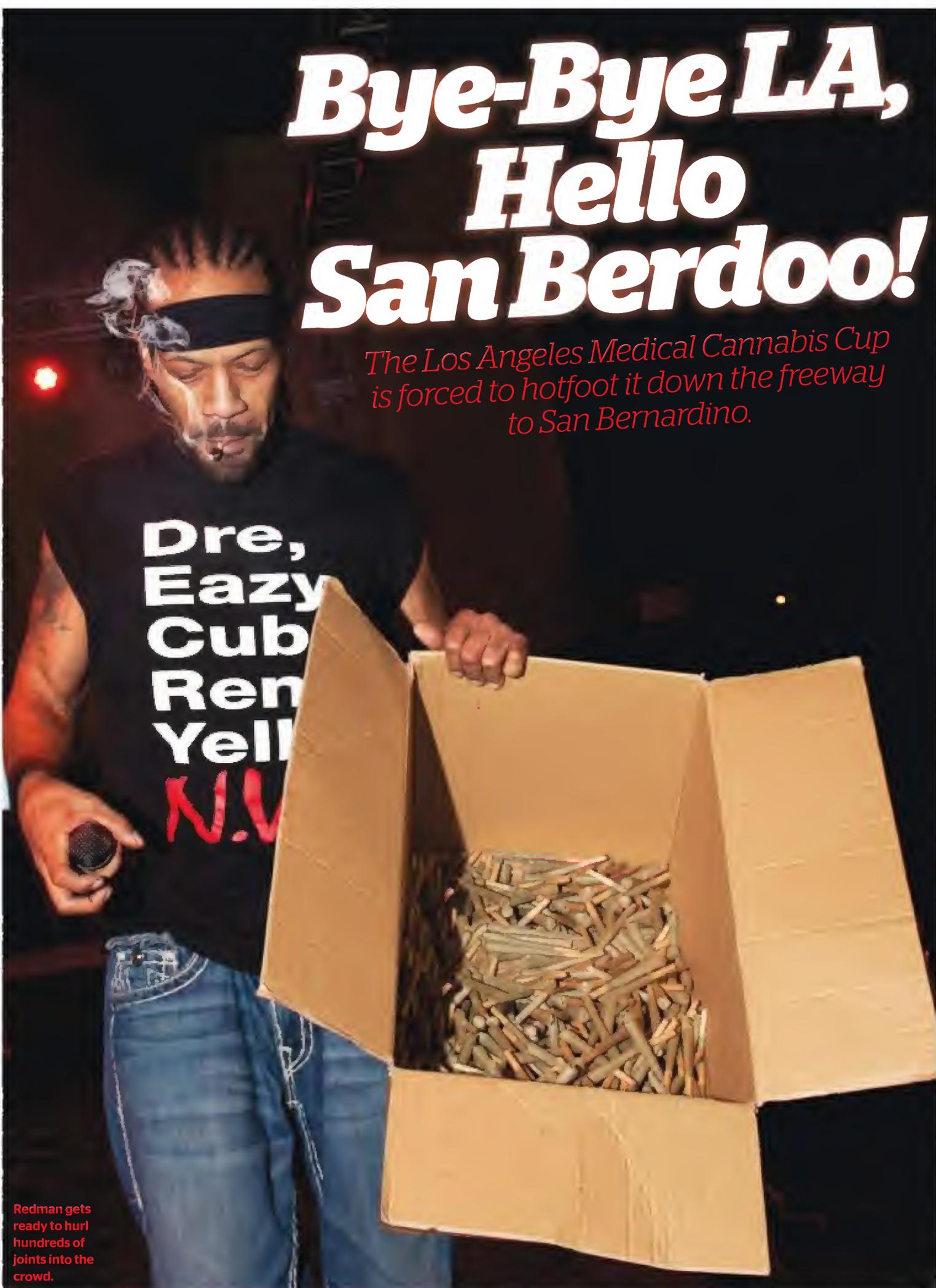
**HELLAHIGHEXTRACTS
@INSTAGRAM.COM**

**HELLAHIGHEXTRACTS
@GMAIL.COM**



Bye-Bye LA, Hello San Berdoo!

The Los Angeles Medical Cannabis Cup is forced to hotfoot it down the freeway to San Bernardino.



Redman gets ready to hurl hundreds of joints into the crowd.

JERRY KRECK



7 **“Cannabis can change the world—and we’re here to show it’s possible!”** —Tommy Chong



The *High Times* crew arrived in the City of Angels 10 days prior to our scheduled event. At the time, the local police department seemed otherwise engaged: Christopher Dorner, a disgruntled ex-cop, was waging his self-declared war on police personnel and their families, and the LAPD was engaged in the biggest manhunt in the city’s history to bring him in.

This massive mobilization had already resulted in two separate incidents of cops opening fire on suspects they believed to be Dorner. Two women delivering newspapers miraculously survived after cops fired more than 100 shots into their vehicle, which vaguely matched the description of Dorner’s; another man narrowly escaped death when cops opened up on

him. Certainly, you’d think, the LAPD had bigger fish to fry than shutting down a legal medical marijuana event?

Think again. Even though *High Times* had secured a permit and navigated all the proper channels, the LAPD was loath to allow the Cup to go forward. Supposedly, when the permit was granted for last year’s event, held at the Los Angeles Center Studios, the cops had not been “aware” that the “medication area” was specifically designated for cannabis use. (Apparently, they’d been equally unaware when other pot-themed events at LA Center Studios promoted the same amenity.) But in the interim, they had “discovered” that the complex was situated less than 1,000 feet from a school. As a result, the LA Medical Cannabis Cup was now homeless. Organizers scurried to

sign contracts with nearby Glendale Studios, only to learn that LAPD had quickly notified the city of Glendale as to the nature of the event. An injunction by the City of Glendale was filed against *High Times* to prevent the event from happening there.

Other venues were scouted, but the search proved futile—and without the necessary permit, there could be no Medical Cannabis Cup. Our time in Los Angeles was quickly beginning to seem like an updated version of *Escape From LA*. But just 48 hours before the doors were set to open (or not), *High Times* signed contracts with the National Orange Show Events Center in San Bernardino, about 60 miles east of LA.

Certainly, the announcement of two separate venue changes within 10 days



1. Dab vendors beckoned attendees to their booths.
2. Although the LAPD tried to stop the event, thousands turned out in San Bernardino.
3. A live cannabis plant took in the San Bernardino sunshine.
4. Loud Seeds distributed samples of their top strains.
5. Hostesses at Cloud V lured dab lovers looking for a great vape pen.
6. The Game took a big hit onstage during his Saturday night concert.
7. The Cool Calm Collective's Banana OG took 3rd in the hybrid category.

8. Wherever you strolled in the medication area, a dab station was waiting.

Watch Redman and The Game share a joint on stage at hightimes.com/thegame.



9. Redman elevated the crowd to new heights.



created confusion for ticketholders, and the vendors were equally miffed at the inconvenience. But as we all know, working in the cannabis industry generally means expecting the unexpected. We're outlaws, with the authorities pointedly refusing to grant us the same legal protections that so-called "legitimate" enterprises enjoy. Our industry is in its infancy, still finding its way into the mainstream, and *High Times* is subject to the same bureaucratic dishonesty and harassment that canna-businesses in the United States encounter on a daily basis.

And so questions hovered over the LA Cup as dawn broke. Had the pre-event chaos damaged the weekend irreparably? Would the cannabis community turn out in the numbers we'd been expecting? Amazingly, the event proved to be a

runaway success: the best-attended Medical Cannabis Cup that *High Times* has ever mounted. The temperature climbed into the 80s for the weekend, with clear, gorgeous skies affording a fabulous view of the surrounding mountain scenery.

Thousands of attendees toured the sweeping medication area, a veritable village of Southern California's top canna-product producers. Once again, concentrates proved to be the biggest draw, with scores of booths offering high-grade oils and waxes. Glass smokeware, especially rigs designed for dabbing, sold briskly, while those who wished to make a personal statement regarding their preferred method of cannabis consumption had an array of dab-themed apparel to choose from, adorned with messages like "Just Dab It!" and "Dabs 'R'

Us." However, vendors who offered prime buds to sample were hardly ignored: Dabbing isn't for everyone, and hordes of us still prefer the comfort and simplicity of a joint, which doesn't require a blowtorch or a specially designed contraption for ingestion.

Redman opened the Saturday night concert—and, naturally, he and the crowd were in high spirits, which only got higher as the evening progressed. It's been 20 years now since Redman appeared on the cover of *High Times*, and his popularity in the stoner world has only grown since then. Indeed, his energy exceeded the boundaries of the stage: During the final 10 minutes of his act, Redman leapt up on the fence surrounding the stage and dove into the audience for an epic round of crowd-surfing.

The Game followed Redman. In addition to his rhymes, his time onstage included a number of auxiliary activities: He rolled dice, chugged a full bottle of Grey Goose (actually water), made friends with a middle-aged audience member whom he dubbed “Westlake Ray,” then invited the entire crowd over to Ray’s house. For the finale, Redman joined The Game for “I Wanna Get Fucked Up,” with both rappers sharing a joint and puffing prodigiously. Their high spirits induced Melissa Balin, an LA-based activist, to jump onstage and demonstrate her utter lack of dancing ability, leaving The Game and the audience in stitches.

The weekend ended with the Sunday night awards ceremony, highlighted by the appearance of stoner legend Tommy Chong, who was honored with the Lester Grinspoon Lifetime Achievement Award. Aside from the late, great Jack Herer, granddaddy of the modern cannabis movement, no other individual has been as consistently outspoken about legalizing pot as Chong, whose entire life has been profoundly impacted by the plant. As every reader of this magazine already knows, Tommy became a comedy superstar when he and Richard “Cheech” Marin embraced pot in their legendary Cheech



Tommy Chong, a legend in our time.

and Chong act. He also spent a year in jail for manufacturing his own line of bong, and now cannabis is a source of medicinal relief as he fights prostate cancer. Tommy graciously thanked his assembled fans, acknowledging his strong allegiance with the cannabis community while offering simple words of encouragement: “Cannabis can change the world—and

we’re here to show it’s possible!”

As for the awards themselves, the Buds and Roses Collective, located in Studio City, visited the stage most frequently, taking top honors in the Best Hash category, two second-place wins for Best Hybrid and Best *Sativa*, and a third-place win in the Best Edible category. Reserva Privada, a subsidiary of DNA Genetics, won first place for Tanj in the *sativa* category. Alpha Medic grabbed the *indica* prize for Godfather OG, and a very tasty rendition of Girl Scout Cookies, courtesy of Life Is Good in Victorville, won the Cup for Best Hybrid. The Best Concentrate award went to Honey B OG Nectar by Green Coast Deliveries.

When the LA Cup was finally over, a sense of triumph—and relief—lingered on. The best efforts of the LAPD to thwart the proceedings had been circumvented, and the SoCal cannabis community had turned out in force to support the event. And while Los Angeles may eventually soften its ridiculously antiquated stance on legal medical cannabis, *High Times* won’t be waiting around. Given the success of this year’s event, San Bernardino will likely be the new setting for the LA Medical Cannabis Cup. We’ve found a new home in the high desert. ✨

Order Online
www.ReadySetHydro.com

CALL NOW
888-251-4525

- 3 Year No-Hassle Warranty
- Quiet, Discreet, Easy to Use
- Fully Automated, Low Maintenance
- Comes with EVERYTHING you need! Includes Nutrients, TDS Pen, pH Kit, DVD, and More!
- Harvest Full Crop in as Little as 7 Weeks!
- Lifetime One-on-One Grow Support



Scan For Product Video

Mention this ad for a **FREE** Gift & Upgrade with purchase.

Ready Set Hydro

Grow Safely • Grow Discreetly • Grow Year Round

- Dual Carbon Filters Destroy Odor
- 16 Plants up to 3.5ft Tall
- Massive Cloning/Veg Area
- Powerful 600w Lumatek™ Light
- 46"W x 24"D x 78"H
- Ultra Quiet & Discreet
- 8 Plants up to 1.5ft Tall
- 18"W x 24"D x 30"H
- LED UPGRADE & Soil Version available for Sunrunner & Solaris
- Dual Carbon Filters
- 16 Plants up to 2.5ft Tall
- Cloning/Veg Area
- 24"W x 24"D x 60"H

FEATURING: SUPERPONICS

- MEDICAL GRADE POWDER COATING
- DISCREET CASH PAYMENT OPTIONS AVAILABLE!
- CALL FOR MAIL ORDER CATALOG
- ODOR FREE GUARANTEE



TASTY PUFFIN

AVAILABLE IN 29
TASTY PUFFIN FLAVORS!™
Introducing
3 NEW flavors!

Powerplant
Pomegranate

Sinful
Cinnammon



Just a few drops flavors anything!

Can be used with: Pipe tobacco, Cigars
Favorite legal herbs, Blunt wraps, Water pipe water
Hookahs, Vaporizers, E-Cigarettes

\$25 for 6 bottles

1 OZ Spray now available in 16 flavors

www.tastypuff.com

Adderall: America's Fa

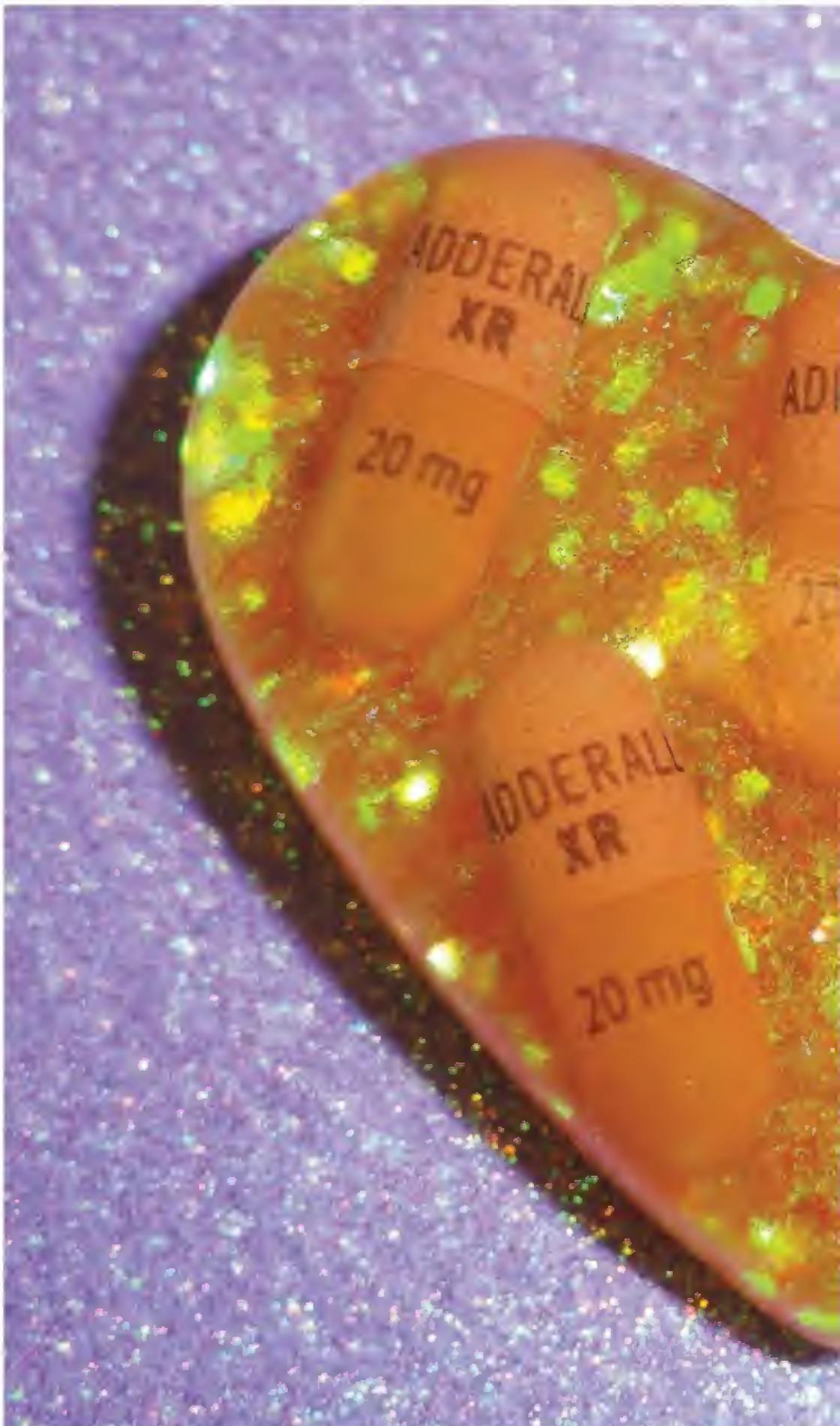
It's given to grade-school children with ADD to increase their attention in class, and college students across the country depend on it to cram for exams. But what exactly is Adderall? Is it a miracle pill—or just amphetamine with a marketing team?

by James L. Kent

Sheri* is a junior in college. In the mornings she attends class, and in the afternoons she works at a coffeeshop. Sheri has attention-deficit disorder (ADD), and without her medication she has a hard time getting out of the bed in the morning and accomplishing even the most mundane of her daily tasks. Her medication is Adderall, preferably the 30-milligram Adderall XR (extended-release) capsules, but Sheri doesn't have health insurance and can't afford to shell out a couple hundred bucks for the doctor's visit and the \$200 to \$300 a month for the prescription itself. But Sheri is lucky, because she knows Dan*, who sells Adderall XR to college students for \$5 to \$15 a pop, depending on how many pills they're buying. And Dan does good business, because Adderall is America's favorite amphetamine, especially among college students trying to maintain long hours of focus preparing their finals.

Street-level Adderall dealers (or "traders") can distribute to college students at cheaper-than-retail prices. For uninsured students like Sheri, the retail price of a monthly Adderall prescription works out to \$6 to \$8 a pill.

*Names have been changed.



FUNKY JUNKY

Favorite Amphetamine



If she buys 10 at a time from Dan, however, she gets them for \$3 to \$5 a pill. That's because Dan buys prescriptions for Adderall from students still on their parents' health-insurance plan or from members of the military, who get Adderall prescriptions like monthly paychecks. With a military or insurance discount, you can buy Adderall XR for under \$1 a pill and then sell it for triple to five times the original price. Dan knows he can get

Amphetamine has traditionally been associated with tweakers, speed freaks, bikers, truckers and all-night sex orgies.

\$15 to \$20 a pill for 30 mg XRs from the right people, so a bottle of cheap XRs is like his savings account, his investment portfolio and his spending money all rolled into one. And if he doesn't have the time or money to eat, he can just take an XR and he won't be hungry again for another six hours.

Adderall is a clever brand and a deceptive brand. In America, amphetamine has traditionally been associated with tweakers, speed freaks, bikers, truckers and all-night sex orgies. Adderall changed all that. Stimulants like Ritalin have long been shown to help people with ADD and ADHD (attention-deficit hyperactivity disorder) concentrate for longer periods. So in 1996, Shire Pharmaceuticals introduced Adderall, a patented blend of amphetamine salts, to compete in the market for ADD/ADHD medications. The product was so successful that in 2001, Shire introduced the Adderall XR capsule in order to supply a low but steady dose to users all day long. Adderall XR is marketed as a productivity drug to help people with ADD, ADHD or narcolepsy remain alert and focused, but because it's essentially pure pharmaceutical amphetamine, it quickly became the prescription stimulant of choice for college students, wage laborers, the military and pretty much everybody else.

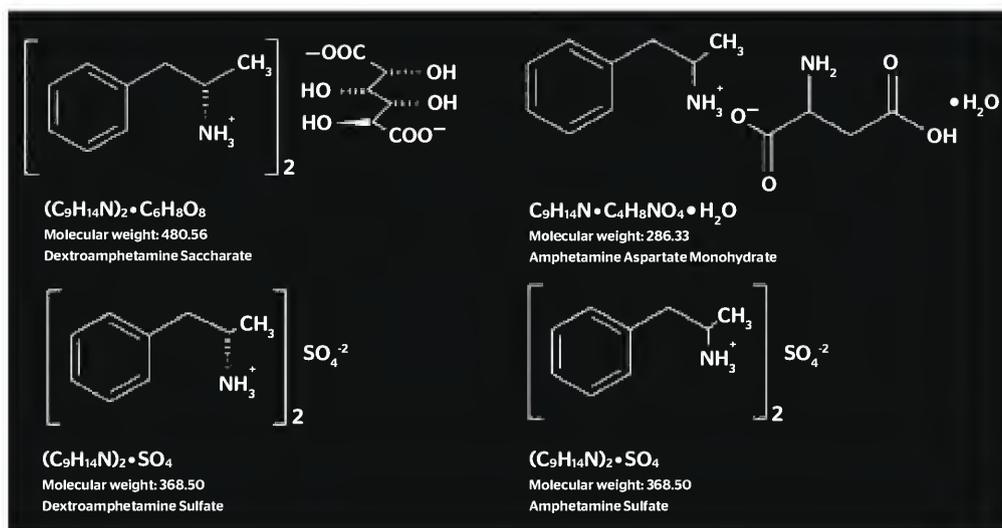


Figure 1: Adderall is the brand name for a patented blend of four different preparations of amphetamine salts: amphetamine aspartate, amphetamine sulfate, dextroamphetamine saccharate and dextroamphetamine sulfate. Adderall is mixed at 75% dextroamphetamine to 25% amphetamine.

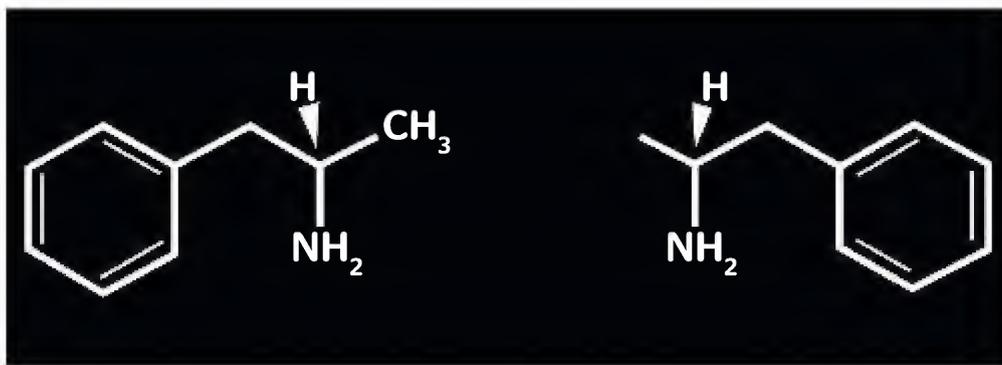


Figure 2: Amphetamine is a simple molecule consisting of a benzene ring with a hydrocarbon and a nitrate group. The images are of levoamphetamine, or l-amphetamine (left), and dextroamphetamine, or d-amphetamine (right).

Ampphetamine was first synthesized in Germany in 1887 and has been used pharmaceutically in the US since 1927. In World War II, amphetamine and dextroamphetamine, under the names benzedrine and dexedrine, were distributed to American soldiers and pilots as “go pills” to combat fatigue and maintain alertness and morale.

Amphetamine causes the release of dopamine and norepinephrine, stress chemicals that make people feel alert, powerful and impulsive, and the high can come on like a rush of invincibility. And even though parents would consider almost anything to help their children cope better in school, the idea of giving speed to ADD/ADHD children to keep them from fidgeting doesn't feel right to most people—in fact, it sounds like insanity. But Shire Pharmaceuticals solved that marketing problem by rebranding amphetamine as Adderall, a “patented blend” of amphetamine salts targeted to treat ADD, ADHD and narcolepsy. (Note that “ADD” right in the name of the brand.) Parents who would balk at

giving their children trucker-style speed are happy to give them Adderall—not because it's a different drug but because it's a brand name you can trust.

The molecule for amphetamine is in the public domain, so it's impossible for a pharmaceutical company to patent it. That means there's no profit to be made by producing amphetamine for pharmaceutical use. But Shire found a way around this problem. Adderall is a custom blend of four different types of amphetamine salts—basically two mirror versions of the amphetamine molecule packaged in four separate ways. This is an old patent-medicine trick: When you're synthesizing a molecule in chemistry, you must attach it to a salt (such as an aspartate or sulphate) so you can easily crystallize or dissolve it. However, you can't patent amphetamine aspartate or amphetamine sulfate—but if you make a custom mix of these salts, you can call it a patent drug, even though both salts carry the exact same amphetamine molecule when they dissolve in the bloodstream (see Figure 1 above).

Most simple psychoactive molecules have mirror counterparts called stereoisomers, and drugs often contain a blend of both isomers, which is called a racemic mix. What is commonly called amphetamine, benzedrine or speed is actually the “left-handed” isomer of the amphetamine molecule, known as levoamphetamine or l-amphetamine. The “right-handed” stereoisomer of amphetamine is dextroamphetamine, also called d-amphetamine or dexedrine (Figure 2).

Isomers of the same molecule, although very similar, often have different effects. For instance, the right-handed isomer of methamphetamine, dextromethamphetamine, is the most potent human stimulant known: This is the “meth” that tweakers crave. But the left-handed isomer of methamphetamine, levomethamphetamine, is a vasoconstrictor with little to no psychoactive effect and is used in nasal decongestants and inhalers.

In contrast, both isomers of amphetamine are psychostimulants, so Shire combines both the l- and d- isomers in Adderall, each packaged in two different types of salt carriers. By creating a custom racemic mix of l- and d- isomers, and by using a custom blend of salt carriers for each molecule, Adderall meets the definition of an amphetamine formulation that can be patented for prescription use. In a word: genius.

Formulating the perfect blend of speed for children sounds like a task more suited to a crime syndicate than a pharmaceutical company, but Shire put some serious thought into packaging amphetamine into pills for kids with short attention spans. The l- isomer of amphetamine, levoamphetamine, packs a euphoric rush of norepinephrine for a quick and speedy high, with a small release of dopamine for a short period of increased alertness and focus. Levoamphetamine (a.k.a. benzedrine) is a favorite of tweakers who want the most bang for their buck. The d- isomer of amphetamine, dextroamphetamine, produces less of an initial rush but increases the supply of dopamine and norepinephrine in the brain's synaptic clefts for many hours. Dextroamphetamine (a.k.a. dexedrine) is considered by many to be the first “smart drug,” used experimentally to increase focus, memory and intelligence.

Both isomers of amphetamine increase arousal and stimulate the desire to be active. Shire designed Adderall to maximize alertness and focus while not overdoing the initial euphoric rush, so



NEW LOOK. BETTER PERFORMANCE.

DUAL VERSION 2



FOR USE WITH
 DRY HERBS

WAXY OILS



FOR USE WITH

LIQUID

DRY HERBS

WAXY OILS

1 VAPORIZER. 3 CHOICES.

DRY CONFIGURATION

WAXY OIL HEATING / FILLING CONFIGURATION

LIQUID CONFIGURATION



trifecta



Sleek
BY WHITE RHINO
 GOT DABS?

FOR USE WITH

WAXY OILS



ON ALL WHITE RHINO PRODUCTS
 USE COUPON CODE
 HIGHTIMES420

dube

FOR USE WITH
 DRY HERBS WAXY OILS

dube



WHITERHINOPRODUCTS.COM 855.803.8883

Contact your local WHITE RHINO dealer for more info.

the amphetamine mix in Adderall is only 25 percent l-amphetamine to 75 percent d-amphetamine. Mixing both isomers has been shown to increase the release of dopamine *and* norepinephrine into the synaptic cleft faster and longer than either of the two isomers individually, so Adderall was designed to be a quick pick-me-up, followed by hours of increased alertness and focus. And by all accounts, Shire did a great job: Even though the generic version of Adderall tries to match the specific mix used by Shire, regular users will tell you that the generic pills are junk compared to the real thing. This is the power of the Adderall brand.

Amphetamine potency can be measured by two things. The first is how efficiently the amphetamine molecule releases dopamine and norepinephrine into the synaptic cleft. The second is how long it takes for that amphetamine molecule to metabolize, because the longer it lingers at the synapse, the more it increases the brain's dopamine and norepinephrine supply.

Amphetamine's action of causing dopamine to be released into the brain's synapses from the axon terminals is fairly well understood, but less well known is how each isomer of amphetamine accomplishes this task. Dextroamphetamine, the major component of Adderall, is thought to be most efficient at releasing dopamine along the brain's D1 and D4 pathways, which help focus cognitive attention. Levoamphetamine, the minor component of Adderall, is thought to be better at releasing norepinephrine and dopamine along the D2 reward pathways, causing rushes of euphoria and sexual arousal, as well as enhanced reflexes and motor coordination.

Although l- and d- isomers of amphetamine differ slightly in their function and effect, both stimulate the brain's pleasure and reward centers in exactly the same way, and both are highly addictive. In fact, all addictive behaviors—drug use, sex, gambling and so on—are wired into this central dopamine reward pathway, and none stimulate it better than amphetamine. Indeed, amphetamines are the *most* rewarding of all reward-based addictions, which is why the most potent and longest-acting form of amphetamine, dextromethamphetamine (meth), is so widely coveted by addicts. Methamphetamine is the end of the line for chasing the norepinephrine and dopamine rush.

The mechanisms that stimulate



A few days of amphetamine abuse coupled with sleep deprivation will cause paranoia and psychosis.

reward and addiction are the same ones that make Adderall such a good drug for increasing focus, attention and memory. An increased dopamine supply means more sustained focus for longer periods; an increased norepinephrine supply means stronger memory formation and better information retention. This makes Adderall the drug of choice for college students who spend long hours studying or cramming for final exams. The trade in Adderall is so commonplace that it's like an underground currency: Name-brand Adderall sells for more than generics, XR capsules sell for more than the tablets, and each little pill has a milligram dosage marked on it, which means you always know the size of the dose you're getting. The package is simple, neat and perfect.

But a little study boost can easily spiral into addiction. Prolonged use of Adderall and other stimulants can create dependence and even serious side effects when abused. The short-term effects of Adderall abuse include insomnia and loss of appetite, which can cause stress and malnutrition. A few days of amphetamine abuse coupled with sleep

deprivation will cause paranoia and psychosis, and these symptoms will get worse until the person stops the amphetamine use and returns to a normal eating and sleeping schedule. Withdrawing from an amphetamine addiction doesn't cause vomiting or sickness as with heroin, but it does cause extreme agitation, irritability and (ironically) an inability to focus. Long-term amphetamine addicts also report anhedonia, or the inability to feel a sense of enjoyment or pleasure without the aid of some chemical stimulant, which can linger for long periods after quitting. Even though Adderall is considered safe for prescription use in pill form, it's still a Schedule II amphetamine (which means it's in a *less* restricted category than pot, by the way), and the addiction potential is high.

But does Adderall actually help students get better grades or higher test scores? For students diagnosed with ADD or ADHD, who are at a cognitive disadvantage to begin with, Adderall therapy has been shown to boost overall academic performance with long-term positive results. And 9 percent of children between the ages of five and 17 are diagnosed with ADD/ADHD, which means that 9 percent of minors are perfect targets for boosting academic performance with an Adderall prescription.

But for students not diagnosed with ADD/ADHD who pop Adderall without a prescription to pull a few all-nighters, the results are not so clear. Adderall use may help some of these students, but it can be detrimental to others, though no formal studies have been conducted to show how pervasive nonprescription Adderall use is among students and what effect, if any, it has on overall academic performance. That's because there are several big problems inherent in conducting such a study, including requiring students to report their own illegal activity and collecting urine samples from them to match test scores against the presence of amphetamine metabolites in their urine.

Unlike sports doping, which involves some pretty straightforward issues of fairness and testing, academic doping seems to be a much stickier problem. Parents paying thousands of dollars a year for college probably don't want their children screened for performance-enhancing drugs before they can graduate—it would open up a huge can of worms if every test score could be challenged with a request for a urine sample. And on the flip side, do you want your

15% OFF
ENTIRE ONLINE
STORE
Use Code
HT420



15% OFF
ENTIRE ONLINE
STORE
Use Code
HT420

www.HighPriorityGlass.com



Scott Deppe



Mr. Gray



Darby / Buck



Brandon Martin



AK / Clinton Roman



Jason Lee



Shop Online Anytime
www.HighPriorityGlass.com



child to be selected for the placebo control group in a class of students being given Adderall over the course of a year to see if it helps improve their test scores overall? And if Adderall *does* improve academic performance for non-ADD/ADHD students, should every student be allowed to get a prescription to level the playing field? You can see why few in academia care to consider the issue of students doping other than to say they oppose it, while admitting that the practice is widespread.

In contrast to academia, the military has long recognized the use of amphetamines for performance enhancement. In 2010, the Department of Defense spent \$39 million for over 32,000 prescriptions for active-duty soldiers to stimulants like Adderall, Ritalin and dexedrine. That's a 10-fold increase in the number of military prescriptions for stimulants from 2005. And the military isn't alone, because the number of civilian prescriptions is also skyrocketing. In 2010, more than 18 million Adderall prescriptions were written, which means either that a crippling epidemic of ADD/ADHD is sweeping America, or else there's a growing recreational demand for the brand of amphetamine that everyone trusts.



Demand for Adderall became so dramatic in 2012 that the federal government had to act to combat shortages of the drug.

Indeed, the demand for Adderall became so dramatic in 2012 that the federal government had to act to combat shortages of the drug. The DEA allows only a certain amount of

amphetamine to be commercially manufactured each year, and Congress annually votes to increase that quota to meet the rising demand. In 1990, that number was 417 kg of amphetamine; in 2000, it was 9,007 kg; in 2012, 25,300 kg. The number is doubling every few years, and apparently this supply is still not enough. In May 2012, two members of Congress, Chuck Grassley (R-IA) and Sheldon Whitehouse (D-RI), wrote to the US Government Accountability Office on Shire Pharmaceutical's behalf to urge the DEA to consider easing its restrictions on amphetamine production. Other pharmaceutical companies that make generic versions of Adderall—including Teva, Barr, Impax Labs, Sandoz and CorePharma—will also benefit if the DEA raises its annual quota on industrial amphetamine production. From which one can see that, when it comes to manufacturing and distributing large amounts of patented-blend amphetamines, it pays to have friends in high places. ✨

James L. Kent is the author of Psychedelic Information Theory and the founder of DoseNation.com, a blog devoted to drug news and commentary.

The Video the Pharmaceutical Companies Hope You'll Never See
Cannabis Concentrates Tutorial

SHATTER **BUDDER** **HONEYCOMB**
AMBER GLASS **EARWAX**

Does your honey oil look like this?

Tested at 77-85% Pure THC
Learn the Alchemy Science Secrets
For Product Information and Ordering, Visit us at
www.medicinalalchemy.com

Anonymous Purchase Option Available
 Warning: The methods explained in this DVD utilize solvents which include butane. This dvd is sold for informational purposes only.

Over 90 minutes of 'concentrated' Info



How to Super Closet
Works Video!

SUPERCLOSET

#1 Selling Grow Boxes in the World

HYAVING AVAILABLE



SuperLocker
22" h x 15" w x 24" d



Trinity
22" h x 12" w x 24" d



SuperNova
78" h x 48" w x 24" d

THREE AWARD WINNER



1



2



3



4



5



6

Start with seeds or clones and place up to 50 of them in the fully automated SuperCloner located in the cloning chamber.

When a sufficient root system is evident, move your plants to the fully automated 16 site SuperPonics in the vegetative chamber.

Now, vegetate your plants until they reach the recommended pre-flowering height.

Cut clones from these plants and move them back into the SuperCloner in the cloning chamber.

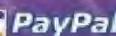
Continue growing until your fruits, vegetables, herbs, or flowers have fully matured and are ready to be harvested.

Finally, after your harvest, rotate your clones back up into the flowering chamber and repeat!

P.O. Box 883663
San Francisco, CA 94188

www.supercloset.com

ph. +877.476.9787
fax. +415.285.0301


Incense Today

HERBAL INCENSE FOR YOU TODAY!

30% OFF!*

EVERYTHING!

Special Promo Code:

hightimes

*valid all of May only!

OVER 50 STRAINS TO CHOOSE FROM!

BIZARRO • CALIFORNIA DREAMS
KUSH • GODS OF AROMA • WTF
ORGASMO • HYSTERIA BLACK

ALL GENERATIONS!
ANY BRAND YOU NEED!





INCENSETODAY.COM

MOST STRAINS. MOST REVIEWS. MOST TRUSTED

BUY MORE AND SAVE MORE! ASK ABOUT OUR WHOLESALE PRICING!

LEGAL HERBAL INCENSE!
★ LEGAL IN ALL STATES! ★
NO BANNED CHEMICALS!

After a long day at the office, famed travel guide Rick Steves enjoys coming home to an ounce of legal cannabis in Washington State.



by DAVID BIENENSTOCK

RICK STEVES

THE HIGH TIMES INTERVIEW

LONG BEFORE HE BECAME AN INTERNATIONALLY RENOWNED TRAVEL GURU WITH SHOWS ON PBS AND NPR, RICK STEVES BEGAN SPEAKING OUT IN HIS OWN BACKYARD ABOUT THE MANY HARMS CAUSED BY MARIJUANA PROHIBITION AND WHY LEGALIZATION OFFERED THE MOST SENSIBLE ALTERNATIVE. ALTHOUGH HE FELT THE NEED TO HIDE HIS IDENTITY BEHIND A PSEUDONYM DURING THE “JUST SAY NO” ANTI-POT HYSTERIA OF THE REAGAN-ERA ’80S, THE MILD-MANNERED EDMONDS, WA, NATIVE APPEARED ON LOCAL RADIO IN THOSE DARK DAYS, HOPING TO PROVIDE A POSITIVE EXAMPLE OF AN ACCOMPLISHED BUSINESSPERSON WHO JUST HAPPENED TO ENJOY CANNABIS—AND WHO CONSIDERED POT PROHIBITION AN UNMITIGATED DISASTER.

“WHAT TROUBLED ME BACK THEN WAS, IN THE MEDIA, NOBODY EVER TALKED ABOUT MARIJUANA WITHOUT THE WORD *ABUSE* IN THE SAME SENTENCE; IT WAS ALWAYS *DRUG ABUSE*,” HE RECALLS. “AND, YOU KNOW, PEOPLE WHO ENJOY SMOKING POT FOR CREATIVE PURPOSES THINK OF THAT AS *USE*, NOT *ABUSE*. I MEAN, YOU CAN ABUSE MARIJUANA, BUT YOU CAN USE IT CREATIVELY AS WELL.”

IN NOVEMBER, NOW FULLY OUT OF THE CANNABIS CLOSET, STEVES HELPED MAKE HISTORY AS ONE OF THE PRIMARY SPONSORS OF I-502, THE VOTER INITIATIVE THAT LEGALIZED THE POSSESSION OF UP TO AN OUNCE OF MARIJUANA FOR ADULTS 21 AND OVER IN WASHINGTON STATE, WHILE ALSO PAVING THE WAY FOR STATE-LICENSED COMMERCIAL CULTIVATION AND SALES. A SIMILAR VOTER INITIATIVE, AMENDMENT 64, WAS ALSO PASSED BY A WIDE MARGIN IN COLORADO.

TO CELEBRATE THOSE UNPRECEDENTED VICTORIES AND THE BRIGHT GREEN FUTURE FOR MARIJUANA-LAW REFORM THEY SEEMED TO FORETELL, STEVES INVITED *HIGH TIMES* UP TO HIS HOMETOWN, ABOUT 30 MINUTES NORTH OF SEATTLE, WHERE HE STILL LIVES AND MAINTAINS THE HEADQUARTERS OF HIS TRAVEL COMPANY. WHAT STARTED OUT AS A SMALL EUROPEAN TOUR OUTFIT HAS, OVER THE YEARS, GROWN INTO AN ENTERPRISE OF SOME 80 EMPLOYEES ORGANIZING TOURS, WRITING GUIDEBOOKS AND PRODUCING THE PUBLIC TELEVISION SERIES AND RADIO PROGRAMS THAT MAKE RICK STEVES A WELCOME GUEST IN MILLIONS OF AMERICAN HOMES.

HAVING JUST RETURNED FROM A PRODUCTIVE DAY AT THE OFFICE, THE AUTHOR OF *TRAVEL AS A POLITICAL ACT* CAREFULLY CONSIDERS THE OUNCE OF MARIJUANA PROCURED FOR THIS PHOTO SHOOT AS HE PLAYS SELECTIONS FROM *LES MISÉRABLES* ON THE BABY GRAND HE’S OWNED SINCE THE DAYS WHEN HE MADE HIS LIVING AS A PIANO TEACHER. THE IDEA FOR OUR PICTURE SPREAD: TO SHOW A REGULAR GUY AT HOME, WITH HIS PERSONAL AMOUNT OF LEGAL POT, AND MAKE THE WHOLE THING SEEM PERFECTLY NORMAL, NONTHREATENING—MAYBE EVEN A LITTLE BORING.

IN THE END, THOUGH, STEVES CAN’T HELP BUT SMILE.

So here we are, in your home, with an ounce of legal marijuana. How does it feel to be able to say that after all this time?

It’s nice to stick a bong on my shelf and just hope somebody asks about it—because it’s legal here in Washington State. *Ahhhhh* ... that is a nice feeling.

When did you try marijuana for the first time?

The first time was in Afghanistan, in Kabul.

Wow. What year was that?

Must have been 1978. I never got high in college.

So you went through college in the ’70s without smoking pot,

and then went to Afghanistan and tried it?

I didn’t smoke in college because I felt like there was a lot of peer pressure, and I didn’t want to succumb to it. But in Afghanistan, the whole world was high—you’d be riding a bus, and at the rest stop they’d all sit around and watch somebody slaughter a goat while passing some sort of a pipe or bong. Everybody would get as stoned as you can imagine, and then they’d say, “Okay, time to get back on the bus.” It was an amazing, strange world.

Of course, where I really learned to enjoy the experience was in Nepal, in Katmandu. I’d get high and eat apple pie hot out of a medieval oven while listening to the Stones or something like that, surrounded by travelers from all over the world. And I’d just think, “Life is good.”

You sometimes describe “high” as a place you like to visit. Can you explain what you mean by that?

What I mean is that, when you travel, you enter a different mind-set—and when you get high, you can find yourself in a different mind-set, too. And I think that if you’re an adult, you should be free to choose whether or not you want to go there. Also, if somebody tells me I can’t step across a little line on the sidewalk, all of a sudden I want to step across. That’s kind of human nature, isn’t it?

So you think outlawing marijuana has been counterproductive?

You go to the Netherlands, and the Dutch people think it’s just kind of odd that Americans are so excited about marijuana coffeeshops. For them, it’s like, “Yeah, if you want it, it’s down the street. What’s the big deal?” Well, you can do hard time for marijuana in America. That’s what’s the big deal.

And if you look at marijuana usage in the Netherlands, for both youth and adults, it’s lower than here.

I wish Americans understood that. By every measure, the Dutch smoke less pot per capita than we Americans do. There’s no correlation between consumption and the strictness or looseness of a society’s laws. The Dutch approach drugs in terms of pragmatic harm reduction: They want to take crime out of the equation, and they treat those with addictions as people with a health problem who need help—not criminals who need to be locked up.

So, if “high” is a place and it’s now legal to go there in Washington State, do you have any travel advice for a first-time visitor?

That’s a good question. The thing is, I’m not really a proponent of pot—I just believe that if somebody wants to smoke it, that’s their right. Still, I’d say try it in a safe environment with experienced people you trust and feel comfortable with. You also might need to try it a few times, because it doesn’t always work the first time.

Do you think marijuana tourism will become a big ancillary business?

Right now, there’s a lot of speculation about marijuana tourism here in Washington State—the same way people visit the little vineyards in Walla Walla and go wine-tasting. But I don’t think that’s going to be much of an industry. I think Washington’s just going to be an example of a progressive state that understands the futility of criminalizing marijuana. Other states will see the positive results of that approach, and pretty soon tourists won’t need to think about traveling to Washington for legal pot, because pot will be legal all over the United States.

Why did you decide to speak out publicly about marijuana legalization?

All my adult life, most of the people I've worked with—including most of the people I've respected in my field—have smoked pot secretly, and they're perfectly upstanding citizens in every way. But they've had to lie to their own children; they're nervous about their employers; some are even nervous about their spouses. And I always thought, "This is not right." As Americans, we embrace a lot of lies—and for me, the "evils of marijuana" was one lie too many.

Then, in 2003, the campaign to pass I-75 [the initiative that made marijuana the lowest law-enforcement priority in Seattle] asked me to give a talk on Capitol Hill to help raise money. I had to ask myself, "Wow, do I actually want to stand in a public place and explain the wisdom of taking crime out of the equation?" Ultimately, I realized this was the right thing to do. This is good citizenship. I was speaking up for the truth.

Really, I want to make marijuana less scary for the people who wish it would just go away, because marijuana is never going to go away.

Have there been any negative consequences to speaking out?

I figured there would be, but there haven't been. I suppose I have turned certain people against me—but those are people that I don't necessarily want for me, so what's the loss? I don't need to compromise on the truth or what's good for society in order to have everybody like me. I have some celebrity and a bit of clout because of what I do, and I'd rather use it in a way that's a little more courageous than simply trying to make everybody happy.

I guess over the years a few people have told me, "We know what you think about



"Marijuana legalization got more votes in Colorado and Washington than President Obama. So if the federal government comes in here to overrule us, it will be a really blatant disregard of the will of the people."

marijuana, and we're never going to use your guidebooks or take your tours." And all I can think is, "Europe will be a lot more fun without you."

Where were you on election night?

I went to the official results-watching party at the Westin Hotel in Seattle. I was on pins and needles all night because we didn't have any [advance] numbers for the initiative, and then all at once it was clear legalization had passed by a wide margin. I-502 won! At that point, I was euphoric. But I also realized I never want to go through another political campaign again—I just don't handle that kind of stress very well. Because, you know, when it comes time to count the votes, you either win or lose—it's 100 percent or zero. And we worked so hard and put so much energy and money into the campaign; all the conditions came together in what felt like a perfect storm. I didn't know if we could ever get it all together again in the future.

How do you assess the reaction of the federal government since the election?

That's the big question mark. Our governor here in Washington State wants the federal government to say what they're going to do so we can build a regulatory system and start collecting tax revenue. I'm a friend of Governor [Jay] Inslee, and he understands this is a real issue. He flew to Washington, DC, to meet with US Attorney General Eric Holder and try to find out if we can do this or not—because he's hoping to divert hundreds of millions of dollars from the black market and then tax and regulate a new and legal industry. That is quite exciting.

Keep in mind, marijuana legalization got more votes in Colorado and Washington than President Obama. So if the federal government comes in here to overrule us, it will be a really blatant disregard of the will of the people. Fortunately, I think what the Justice Department wants to see is a smart law that's enforced consistently and

prevents legal Washington State marijuana from "leaking" into other states. The federal government doesn't have endless resources, so they have to pick their battles.

And once we won, the tenor of the discussion changed very quickly. Now people can much more easily support the idea that we shouldn't be locking up pot smokers. So overall, I'm feeling very confident that we're going to have our chance to pull this off. I think that in a year or so, people will realize that the sky's not falling—and in the meantime, the government will become addicted to the tax revenue.

So you're saying tax revenue is the addictive property of marijuana?

That's what I'm saying.

As someone who employs 80 people, how do you feel if any of them chooses to use marijuana?

I could care less if my staff smokes pot. I don't want them getting stoned at work or coming to work high, but I would assume a good many of them use pot recreationally on the weekend, and that's their choice. I certainly think a smart entrepreneur wants to employ creative people. If I gave everybody a test to see if they smoked marijuana in the last month, it would be catastrophic for my business.

You've frequently been a speaker at Seattle Hempfest, the nation's largest marijuana event. What makes you return year after year?

To me, Hempfest shows that there's a huge stratum of our population that's incredibly marijuana-oriented. That's not really me, but they're just as legitimate as me.

A very good exercise for anybody who is afraid of cannabis culture would be to walk the whole length of Seattle Hempfest—through that sprawling, festive crowd



Buddha s e e d s

THE MOST
POWERFUL AND
PRODUCTIVE
AUTO THAT HAS
EVER EXISTED

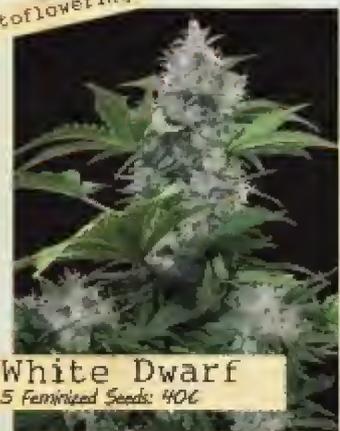
NEW!

Magnum
5 Feminized Seeds: 40€



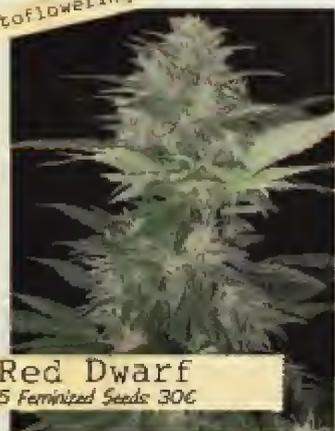
MAGNUM

Autoflowering



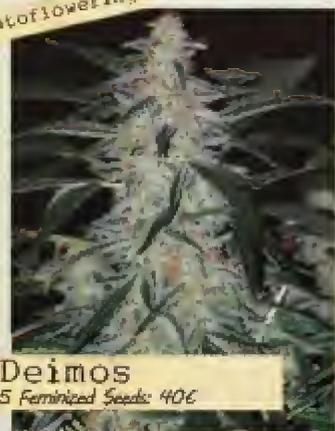
White Dwarf
5 Feminized Seeds: 40€

Autoflowering



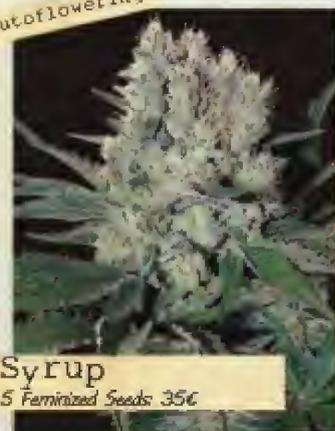
Red Dwarf
5 Feminized Seeds: 30€

Autoflowering



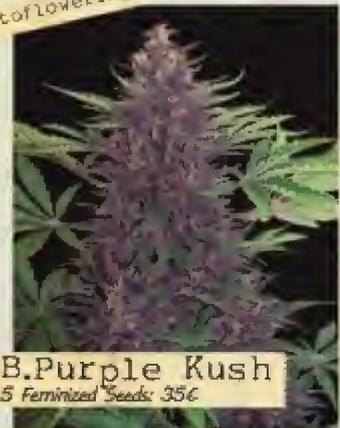
Deimos
5 Feminized Seeds: 40€

Autoflowering



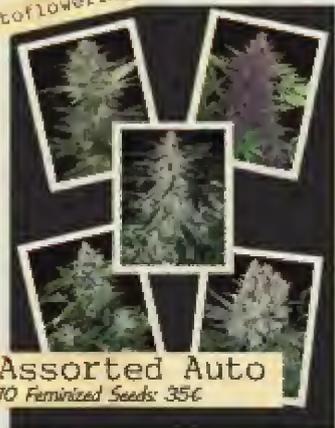
Syrup
5 Feminized Seeds: 35€

Autoflowering



B.Purple Kush
5 Feminized Seeds: 35€

Autoflowering



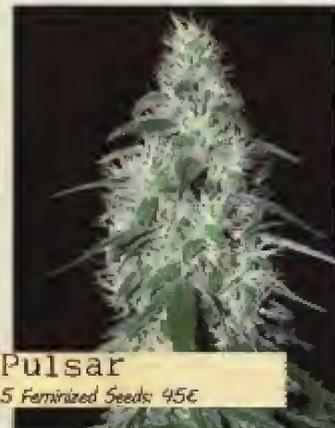
Assorted Auto
10 Feminized Seeds: 35€

Autoflowering



Quasar
5 Feminized Seeds: 45€

Autoflowering



Pulsar
5 Feminized Seeds: 45€

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES - PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD


SUPERCLOSET
 #1 Selling Grow Boxes in the World



SuperLocker

66" h x 15" w x 24" d

- Slim design fits anywhere
- Fully Automated, leave for up to a week at a time
- Grow up to 8 plants in the SuperPonics System
- Clone up to 14 plants in the SuperCloner
- Always be growing with Continual Harvest Rotation

SuperLocker Video



www.supercloset.com

P.O. Box 683663 ph. + 877.476.9787
 San Francisco, CA 94188 fax. + 415.285.0301

of more than 100,000—and realize, “Wow, these people live in our community 365 days out of the year. And for one weekend, they can all get together and have a big party that’s a celebration of freedom and alternative lifestyles and tolerance.” When you look at it that way, it’s a beautiful thing.

You’re someone who’s guided by your faith as a Lutheran. Do you see religious leaders beginning to change their attitude about marijuana legalization?

I see no incongruity between my Christian faith and exercising my civil liberty to smoke pot recreationally. While it’s hard for me to imagine a lot of pastors just lighting up for kicks, many religious leaders have already come out against marijuana prohibition because of the damage it does to their communities. Black Baptist preachers come up and hug me now for helping their community be less damaged by the laws against marijuana. That’s an amazing feeling.

What do you think should be the goals for reformers moving forward in the next couple of years?

Thankfully, there’s a lot of good people following through on I-502 and making sure the new law will be implemented in an optimal way. So as a member of the advisory board of NORML, I’d now like to help other states do what we did in Washington. And I really hope that everyone who reads *High Times* will join me in working for legalization nationwide.

Unfortunately, too many pot smokers don’t live up to their responsibility as citizens to actively push for



“All of us can speak reasonably with people who are afraid of cannabis, to help demystify it for them.”

drug-policy reform. I’ve got friends who are great people, and they love smoking marijuana, but they’ve never even thought to raise their voice to change the law. Every one of us has a world where we’re respected and people will listen to what we say. All of us can speak reasonably with people who are afraid of cannabis, to help demystify it for them. And you don’t have to go it alone—you can join NORML or whatever other drug-law reform organization suits you.

Retail sales of marijuana in Washington State may begin in early 2014. What do you hope to find at the pot store?

My fantasy is to choose marijuana according to what kind of high I want. The frustrating thing with the black market is, you don’t really know for sure what type of pot you’re smoking. And that’s really a lost opportunity—because for me, some pot is really good and some pot is really not. And I think when it’s legalized and sold in a store, I’ll have the ability to buy strains that really work well for me.

What types of herb do you usually gravitate toward?

I want stuff that’s good for listening to music, playing my piano, having the munchies and giggling. I don’t want a heavy stone—I want an uplifting high.

Do you have a favorite strain?

You know, I’m not very sophisticated about different varieties. People just give me pot. Everywhere I go, people give me pot.

Perhaps if you say that again, it might convince a few more prominent people to come out of the cannabis closet ...

Oh yeah, that’s an important point: If you speak out about legalization, growers and heads will give you free marijuana. I don’t smoke very much, of course, so lately the stressful thing has been not being able to keep up with the abundance of wonderful pot that people have kindly been gifting me.

It’s really fun, actually, because I know they’re doing it to thank me. I didn’t legalize marijuana—I was just one guy helping—but in some ways, I got to be the public face of our success here in Washington State. ✨

NON TOXIC! ALL NATURAL!

PREVENTS STUCK JOINTS ★ TASTELESS/ODORLESS ★ CREATES AIRTIGHT SEAL

**TOOB
LOOP**
WATER PIPE
LUBRICANT

**SPECIAL
OFFER!**

**BUY ONE GET ONE
FREE!!!***

VISIT TOOBLOOP.COM/420

AND USE COUPON CODE: TL420

*Don't forget to look for us on your
other favorite social networks too!*



synche
INCORPORATED

**Limited time offer. Not valid with any other deals or discounts.
Visit toobloop.com/420 for complete details.*

TOOBLOOP.COM

TOOBLOOP.COM

MAKES PULLING OUT EASY!



FISH ROX
by Phat Tubz



**PHAT
TUBZ**

Party
like a
"Rox"
Star

FOR AN AUTHORIZED DEALER NEAR YOU

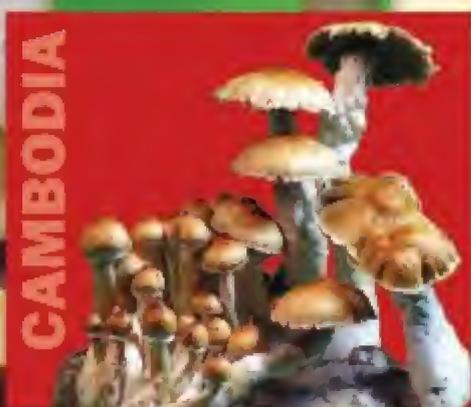
www.PhatTubz.com

**PROUDLY
MADE IN
THE
U.S.A!**

Celebrating 40 Years in Business!

EZ Gro Mushroomkit

The EZ Gro Mushroomkit is the easiest way to grow your own mushrooms...



Only TWO EASY steps

1. Mix the grain and Psilocybe Cubensis spores together without ever having to open the sterilized bag.
2. Once the grain has been colonized, mix it with the bag of compost.

That's all there is to it!

- Put the kit in a warm place
- Wait a couple of weeks for your mushrooms to start growing.
- No need to water it or even look at it.
- Just go away and leave it alone
- The mushrooms grow automatically.

It's that simple!

We include:

- Complete instructions with color photos

PLUS:

- A free DVD shows everything you need to know
- Awesome videos of mushroom farms in Holland



The EZ Gro Mushroomkit

Includes everything you need:

- Psilocybe Cubensis spores
- Grain bag
- Our world famous blend of Kow-A-Nite Compost in its own filtered growbag.

EZ Grow Mushroomkit
Just \$135

[price includes shipping]

For more photos visit www.Facebook.com/HomesteadBookCompany

HOMESTEAD
BOOK COMPANY

P.O. Box 17444, Seattle, WA 98127

- **EZ Gro MushroomKit. \$135**
2-step grow-it-yourself kit includes Psilocybe cubensis spores and shipping. Sorry, not sold outside the USA.
- **The Mushroom Cultivator \$40**
The biggest and best book ever published on growing mushrooms, 400 pages,color photos.

Order Toll-Free at 800-426-6777 or online at www.homesteadbook.com/mushroomkit or mail a check or money order to PO Box 17444, Seattle WA 98127.

Checks take longer to process than money orders. Sorry, no COD.

Name _____

Address _____ Apt. _____

City _____ State _____ Zip _____

Email (optional) _____

Washington State residents please add 9.5% sales tax. Total Enclosed _____



Special Promotion Code:
cmh13c for 20% off until may 2013

"Growing Champions with Complete Photometric Nutrition"

Ceramic Metal Halide

Ceramic light technology coupled with state-of-the-art smart ballasts provide full spectrum lighting for vigorous plant growth by providing sun-like complete P.A.R.* light nutrition.

Lamp Characteristics

- Full P.A.R. Light Range 400 - 700 nm
- Ceramic arc-tube design means up to 5 times longer life than HPS or MH.
- 95% Lumen Maintenance at 50% life
- 94 - 97 CRI* color accuracy compared to sun-light.
- 2 year warranty

Ballast Characteristics

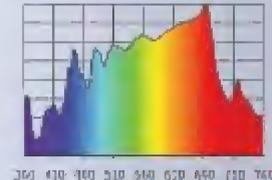
- Soft-start design increases lamp life
- Generates less heat through smart ballast technology
- Increases lamp life up to 60%
- Sealed design with no internal moving parts ensures maintenance free operation
- High Frequency design means low harmonic distortion
- 5 year warranty
- Patent pending technology

* P.A.R. - Photosynthetically Active Radiation

* CRI - Color Rendering Index

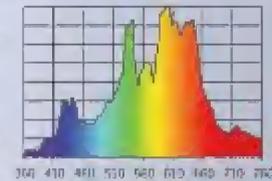
Ceramic Metal Halide 830W - 890W System Wattage

CCT: 4000k
CRI: 97
 μM : 1657
 μM Distance: 26 in*



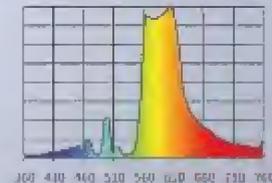
Ceramic Metal Halide 315W - 331W System Wattage

CCT: 3000k - 4200k
CRI: 94
 μM : 1371
 μM Distance: 16 in*



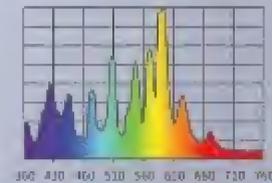
HPS Digimax 600W - 670W System Wattage

CCT: 2135k
CRI: 35
 μM : 1102
 μM Distance: 20 in*



Metal Halide 450W - 470W System Wattage

CCT: 4179K
CRI: 65
 μM : 1038
 μM Distance: 18 in*



* μM (micromole) readings are taken at plant canopy distance.



This means

**Bigger, Healthier,
and Happier plants.**

web: www.dnalightingsolutions.com

phone: 1-(855)-428-9362 (1-855-i-buy-dna)

Come see us at the
US Cannabis Cup, April 20 - 21

DISCOUNT HYDROPONICS®

LET THERE BE LIGHT
WE ARE YOUR LIGHTING EXPERTS

Hydroponics Systems
Climate Controllers
CO2 Controls
Grow Mediums
Nutrients
Timers
Odor Control
Hydroponics Systems
Climate Controllers
CO2 Controls
Grow Mediums
Nutrients
Timers
Odor Control

(877)-GROW-IT-7
(877)-476-9487

DH®

Call for our NEW catalog
or visit our Webstore @
www.discount-hydro.com

In the L.A. Area? Check out our 23,000 sq. ft. Warehouse and Superstore
Lowest Prices Guaranteed! • Discreet Packaging • Confidential Transactions • We are the Mail Order Professionals!

Check us out on

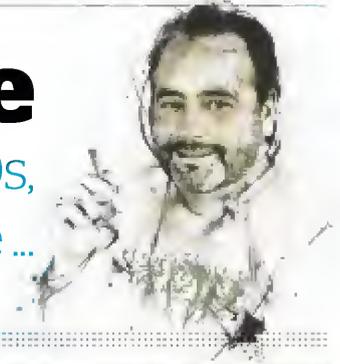


for special offers!

DH Warehouse & Superstore • 4745 Hiers Ave. • Riverside, CA 92505

Expert Grow Advice

Flowering mother plants, grow books and DVDs, browning leaves, high-altitude strains and more ...



Send your cannabis cultivation questions to @deardanko or deardanko@hightimes.com.



Air-cooled lighting in this flowering warehouse grow reduces heat at plant-canopy level.

SUBJECT: **When to Flower**

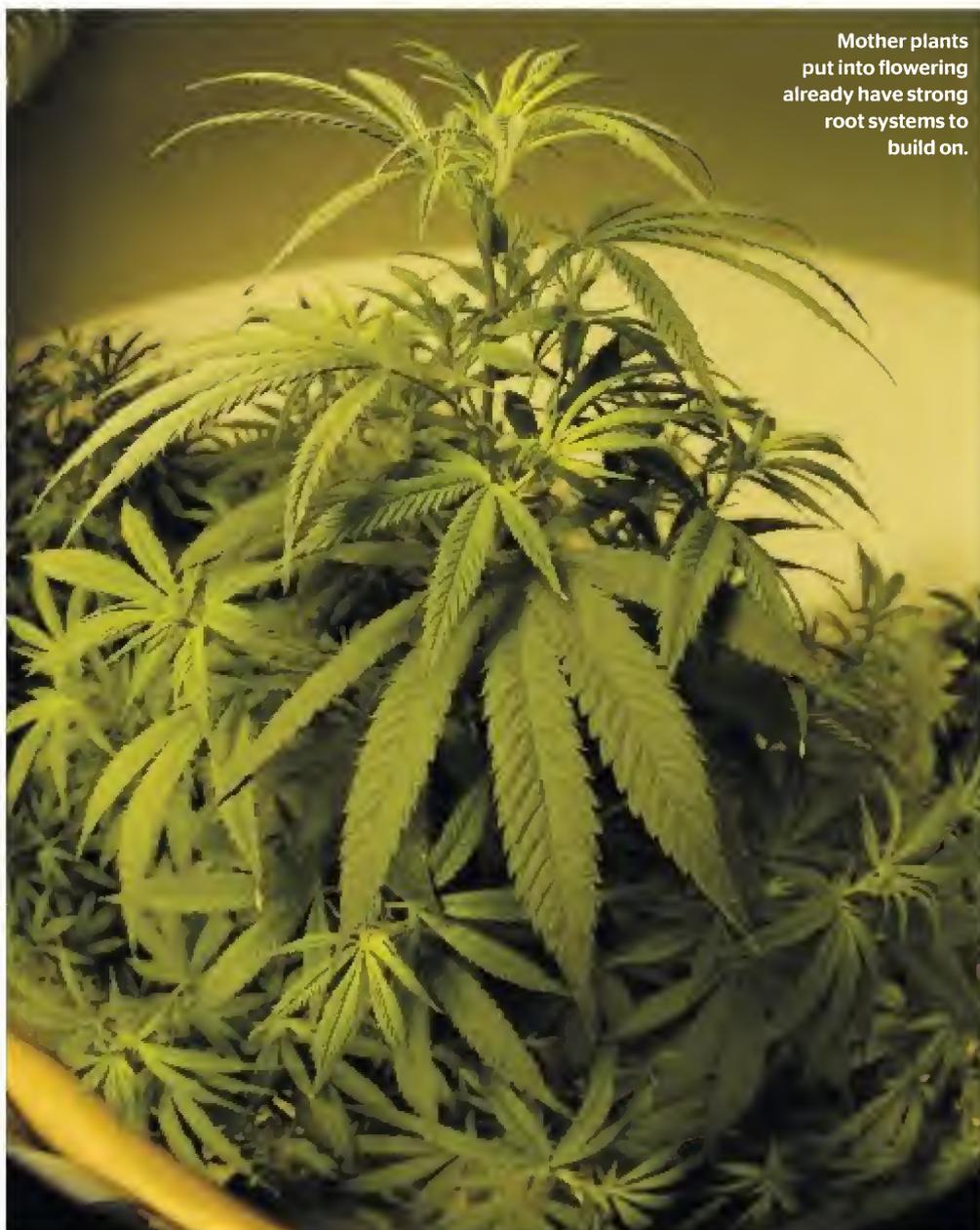
FROM: **Drew H.**

🌱 I'm a beginning-level grower, and I have three Purple Kush plants I've been growing for about three and a half weeks now. The plants are about 10 or 11 inches tall, but my grow space is limited to about 2.5 feet wide and 4 feet tall. When should I switch to 12/12?

Dear Drew,
The time to switch to the 12/12-hour light cycle for flowering is now. Due to your limited vertical space, you may want to consider topping your plants or using some sort of trellising system, such as Screen of Green (ScrOG), to keep your plants from growing too tall and burning from your grow lamp. Plants continue to stretch for several weeks after flowering is induced, so it's important to factor that "stretch time" into your schedule.

Typically, Kush plants like the ones you're growing will add about a foot or so of vertical growth after the switch is made. Some *sativas* stretch several feet during this period, but *indica*-dominant plants aren't as lanky. Also, the question of when to start flowering is related to the type of grow light you're using. High-wattage lights like HIDs need to be kept farther away from plant tops than fluorescents or LEDs.

Danko Tip: Dead leaves and plant debris on the floor are a breeding ground for pests. Keep all growroom surfaces clean at all times.



Mother plants put into flowering already have strong root systems to build on.

SUBJECT: **Flowering Mom**

FROM: **Chris**

🌱 I have a three-month-old Blackwater plant that's flowering in her vegetative period. The light was at 18/6, but I changed it to 24 since she started flowering a week ago. I made this a mother plant and have rooted clones from it, but I'm concerned my mother is going to continue flowering. Have you ever heard of such a thing? Do you have any advice?

Dear Chris,

It seems that your plant is an auto-flowering plant. This means it will continue to flower regardless of the photoperiod. These types of plants cannot be used as mother plants, so your best bet is to flower it out and start a new mother

plant from regular seeds.

Regular seeds can be either male or female, so you must take a cutting of the plant as it's growing (after three weeks of growth or so) and root the clone. Then you can flower out the clone in order to determine the sex of the mother plant. This way, the mother doesn't have to endure the stress of going into flowering and then reverting back to the vegetative stage. That type of stress can cause bad behaviors from the plant, such as hermaphroditism and other abnormalities.

SUBJECT: **Storing Mixed Nutes**

FROM: **Mike L.**

🌱 I'm a busy person and a bit of a procrastinator. I have a 10-gallon reservoir and was

wondering if I could make a big 40-gallon batch of nutrient solution every four weeks and then just use 10 gallons per week for the month. Would it be okay to do this, or would the premixed batch degrade? I am using the three-part Flora series from General Hydro.

Dear Mike,

I don't recommend using premixed nutrients that have been sitting around for a month. It's much more desirable to mix the nutes as needed and use them immediately. Once you mix up a batch, the solution will begin to evaporate, which can cause fluctuations in the pH and the parts per million (ppm) of the salts, particularly with organic nutrients. Since the nutes you're using aren't organic, they will last longer if stored properly, but you must ensure that the pH and ppm are still at proper levels before adding your stored solution to the reservoir.

My advice, however, is to mix up the 10-gallon batches as needed instead of storing premixed nutrient solution, organic or otherwise, for a month. Procrastination isn't a trait that benefits pot farmers, so do your best to devote a bit more time and energy to your garden for best results.

SUBJECT: **Indicas at High Altitudes**

FROM: **Daniel L.**

🌱 I love your great answers to so many questions, and now I have one of my own: Can I grow *indicas* or hybrids in the Southern Hemisphere, for example in Colombia, which has mountains like you'd find in India, Pakistan or Afghanistan? The elevation is above 7,000 feet, and the nights get pretty cold. I want to start up a center there for cancer patients. My dad died from it, and now I'm dealing with it myself. There is a great marijuana community there, and I know doctors who deal with cancer patients. I've been planning this for about two years, ever since my dad passed away. Each day I tell myself I have the strength to do this. With my health issues, it's hard, but I will power through it.

Dear Daniel,

I'm so sorry to hear about your father's and your own plight with cancer. Too many good people are dying from this disease, and marijuana can help them deal with the nausea and other

Chernobyl



NECTAR SECTOR
Presents...
THE NECTAR ELECTIONS

COME ONE, COME ALL... AND JOIN THE MOVEMENT OF EXTRACT ARTISTS & CONNOISSEURS FOR THE 1ST EVER NECTAR EXTRACTAGANZA! IN THIS PRIVATE LOCATION (TBA). VERIFIED PROP 215 PATIENTS WILL BE ABLE TO PARTICIPATE IN BOOTH INTERACTIONS AS WELL AS HAVE THE OPPORTUNITY DONATE AND SAMPLE THE BEST NECTAR NOMINEES IN THE ELECTION.

This 710 Celebration is brought to you by your
2013 San Bernardino Concentrate High Times Cannabis Cup Winners

The #1 & ONLY Nectar Sector!

HONEY B OG NECTAR
GREEN COAST DELIVERIES
greencoastdeliveries.com

Danko Tip: For best results, vegetate your plants at least one week for every gallon of container space.

symptoms. There is even evidence that marijuana fights cancer cells, and more and more studies are showing the many healing properties of cannabis.

You can indeed grow *indicas* and hybrids in the mountains of Colombia—in fact, those are the ideal strains to cultivate in those conditions. *Sativas* take longer to flower and may not finish in high altitudes before the frost sets in. Good luck on your quest to help yourself and others heal from the devastating effects of cancer, and may your father rest in peace.

SUBJECT: **Leaf Browning**

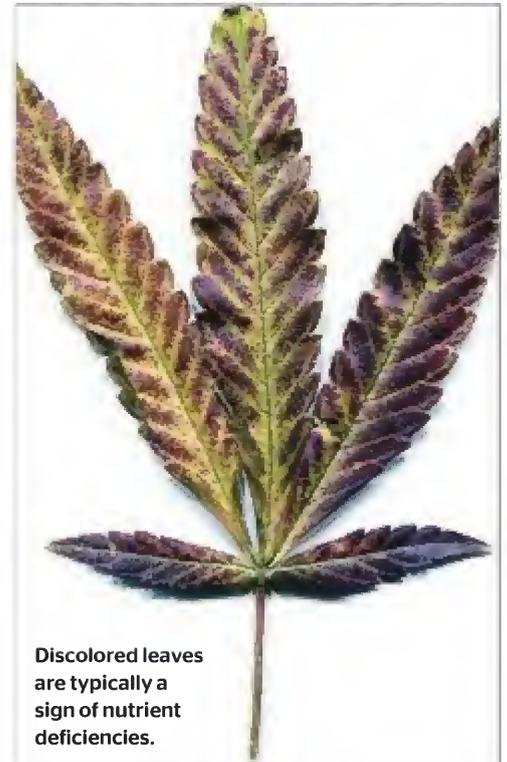
FROM: **White 11**

🌿 I've been growing medical marijuana for some time. I have three young plants from clone, about 10 to 12 weeks old, grown outdoors in pots in the full Southern California sun. All three plants have begun to show the type of leaf seen here (at right). There's no sign of insects, but some of the middle leaves are turning brown. At least two or three leaves exhibit this on each plant. Nice-looking buds are forming, though they're not ready for harvest yet, and they do have a strong MJ odor. So why the discoloration? I've grown before and haven't seen this.

Dear White,

It looks to me like you have a phosphorous or potassium deficiency. These types of deficiency start in the older leaves and affect the margins between the veins first. As they get worse, brown rust spots appear and grow from the outside of the leaves inward. Leaves and stems often turn red or purple and fall off the plant eventually. These types of deficiency drastically slow down plant growth and can diminish your harvest significantly.

There may be phosphorous or potassium in the soil, but it's unavailable to your plants' roots due to salinity (too much fertilizer salts in the mix) or pH fluctuations. Before adding any fertilizer containing phosphorous (P) or potassium (K), first flush your medium with plenty of plain pH-balanced water. Then slowly introduce some mild NPK-balanced fertilizer and be patient; the new growth won't show signs of healthy behavior for several days. Allow the plants to recover before inducing the flowering stage of growth.



Discolored leaves are typically a sign of nutrient deficiencies.

SUBJECT: **Compact Fluorescents**

FROM: **Will Smokewitcha**

🌿 I've been seeing a bunch of stuff on compact fluorescent lights (CFLs) and wanted to know the pros and cons of using them. Also, if you had a small (3' x 3') grow space, what types of lights would you recommend for veg and flowering?

Dear Will,

CFLs have a number of benefits: They don't create much heat and can be placed close to plant tops, and they're also quite affordable. Another benefit is that they don't use much electricity, so your bills won't skyrocket from using them. One drawback is that they don't create as many lumens as high-intensity discharge (HID) lighting, which means your buds will be more sparse and airy. To get large, dense nuggets, you'll need to use several units at close range.

My recommendation for a 3' x 3' space would be to use a 250-watt or 400-watt metal halide (MH) light for the vegetative stage and a 250- or 400-watt high-pressure sodium (HPS) light for flowering. The 400-watt lights will produce more heat, so you must act accordingly and use proper ventilation to remove it. If you want to use CFLs throughout the grow cycle, try a 250-watt unit made specifically for growing plants.

Lowest Prices. Largest Selection. Fastest Shipping.

Authorized Dealer



HYDROWHOLESALE.comTM

We compare product & shipping charges to assure you the best price.
Top Nutrient Lines | Grow Lights | Water Chillers | Ventilation, Odor Control & Co2 | Propagation Tools | Hydro Systems | Fabric Pots

unbeatable prices on GROW LIGHTS



4'x4' BULB T5 SYSTEM \$119.99

* SYSTEMS INCLUDE BULB AND A YOYO HANGER
* ADD A TIMER 15.99 | ADD A LIGHTHANGER™ \$24.99

- 400 Watt MH/HPS Magnetic System **\$124.99**
 - 600 Watt HPS Magnetic System **\$164.99**
 - 1000 Watt MH/HPS Magnetic System **\$164.99**
 - 400 Watt MH/HPS Electronic System **\$124.99**
 - 600 Watt HPS Electronic System **\$159.99**
 - 1000 Watt MH/HPS Electronic System **\$259.99**
- Upgrade to an AIR COOLED REFLECTOR for just a few bucks more!



- Hydro Grow Room Complete Systems
2'x2' \$479 | 2'x4' \$799 | 3'x3' \$839
4'x4' \$949 | 4'x8' \$1799
- Organic Grow Room Complete Systems
2'x2' \$379 | 2'x4' \$599 | 3'x3' \$599
4'x4' \$619 | 4'x8' \$1199
- Cloning Kit \$64.99



HYDRO SYSTEMS

- 2x2 EBB/FLOW SYSTEM **\$245.99**
- 2X4 EBB/FLOW SYSTEM **\$255.99**
- 3X3 EBB/FLOW SYSTEM **\$269.99**
- 4X4 EBB/FLOW SYSTEM **\$364.99**



- 1 PLANT DWC BUBBLE SYSTEM **\$29.99** | 4 PLANT DWC BUBBLE SYSTEM **\$145.99** | 8 PLANT DWC BUBBLE SYSTEM **\$269.99**

*FEATURED HYDRO SYSTEMS INCLUDE MEDIA AND POTS, PURCHASE NUTRIENTS SEPERATELY.

now open!
AFFILIATE SITE FOR LARGE SCALE GROWERS
hydrowholesaleaffiliate.com

\$1000 MINIMUM ORDER.
FREE SHIPPING OVER \$5000.

- 2 x2 Herb Dryer Room \$329.99
- 3 x 3 Herb Dryer Room \$439.99
- 5 GAL Oil Extraction Kits, \$69.99
- Drying Racks \$6.99/up
- Sale on Trimmers!



equipment for **HARVESTING**

follow us!

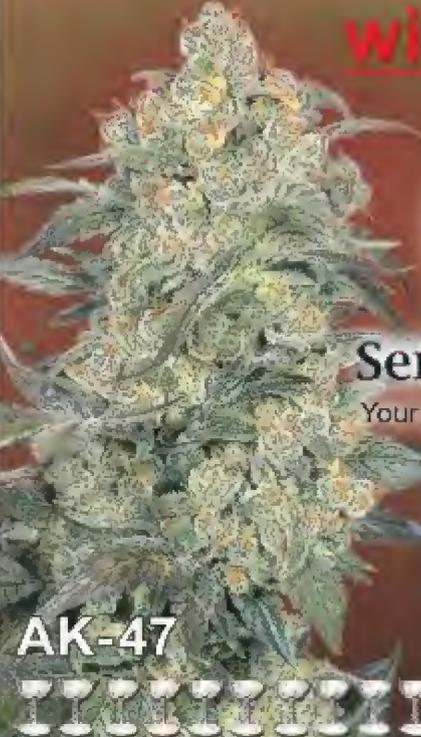


Discreet. Confidential. Secure.
Toll Free: **1.866.803.2100**
Visa, MC, and Money Orders accepted.
& PayPal!

*Call for A Free Catalog!

Danko Tip: Never smoke cigarettes in your growroom to avoid contaminating the air and causing dust to form on the leaves.

AK-47 and Warlock win again!



Serious Seeds
Your guarantee for success!



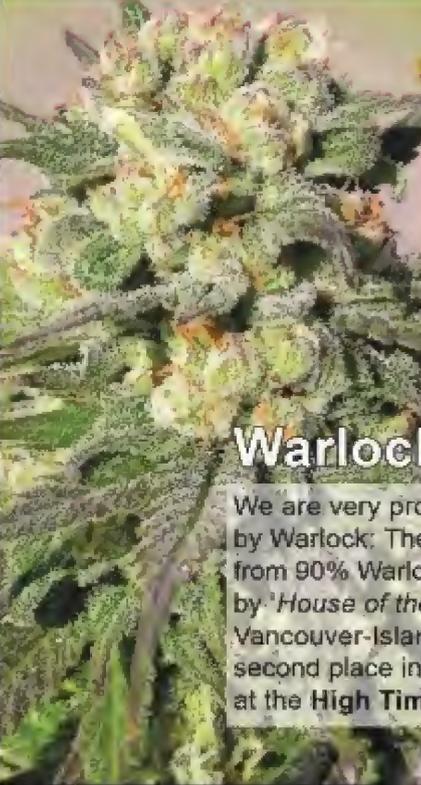
AK-47



HTCC 2011

Our flagship-strain has proven it again, AK-47 is the ultimate winner, now the only strain to hold a High Times Cannabis Cup in ALL 3 categories: Indica, Sativa and Hybrid!

Home of the original awardwinning strains!



Warlock



HTCC 2011

We are very proud of another cup won by Warlock: The 'Hydra-Hash' made from 90% Warlock / 10% Haoma entered by 'House of the Great Gardener' from Vancouver-Island, Canada, won the second place in the concentrate category at the High Times Cannabis Cup 2011.

11 regular seeds or 6 feminized seeds in a tube

For info:
Postbus 1239, 1440 BE Pumerend, The Netherlands,
info@seriousseeds.com, www.seriousseeds.com



Growing in large spaces requires research and practice.

SUBJECT: **Grow Book and DVD**
FROM: **Smshocker**

I'm about to set up a grow tent in my room, and I'm probably going to use soil instead of hydroponics. Which book or DVD is best for what I want to do, and which companies have the best grow tents or boxes? I'm looking for the total setup all in one. If you could help me find these products, I would be forever grateful!

Dear Smshocker,
As far as grow books, I highly recommend *Indoor Marijuana Horticulture* by Jorge Cervantes, as well as *Organic Marijuana Soma Style* by master breeder Soma. The best DVD on the subject is my colleague Nico Escondido's *Grow Like a Pro*.

Recommending an individual company's grow tents or boxes can be difficult because there are so many great products available for many different circumstances and budgets. If money is no object, look into the all-in-one grow box available from BC Northern Lights or Supercloset. These can run several thousand dollars, but they automate much of the process and are easy to set up and get running.

Cheaper alternatives to grow boxes are the many varieties of grow tents that are available on the market. These are easy to set up and take down and typically come with hardware for hanging lights and holes for ventilation equipment. Do some research online to find the one that's best for you. 🌱

Grow Your Own with a PhotoTron®!

Perfect for Apartments, Condos
Small Living Spaces!

Pays for itself, Harvest after Harvest

Stock Symbol: PHOT (our "H" is Silent)

The fully-integrated plant system that promotes rapid growth in **just 21 days!!**

FREE STARTER KIT \$200 VALUE!

- Timer and Thermometer
- 6 Germination Cups and Pods
- 1 Large Bag of Sphagnum Moss
- 1 Bottle PHOTOTRON CIV 75 Base Formula
- 1 Package PHOTOTRON Nutrient System

EVERY PHOTOTRON INCLUDES:
Light Bulbs, Reflective Panels, and
Step-by-Step Instructions

Advertised in
High Times for
Over 25 Years!

For more information or to place your order

Call today, toll free
800.651.BUDS

800.651.2837

www.phototron.com

email: sales@phototron.com



**Grows Full-Sized
Plants**

30% More
Growing Room.
New Feature, Top Fan
with Carbon Filter



PhotoTron Original
330 watts
\$499



PhotoTron T-5
445 watts
\$699



PhotoTron LED
980 watts
\$999

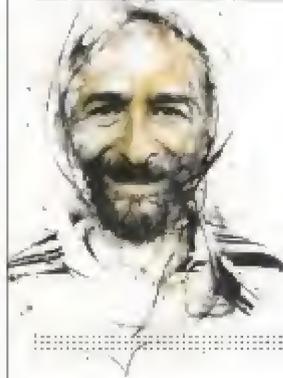
Powered by 

• 100% Service Backed • Prompt and Discreet Delivery • Shipped Fully Assembled

PHOTOTRON
A GrowLife Inc. Co.

Share with your
Buds
The
Cannabis Collections
Send your Loved Ones
Greeting Cards
Original
**HAND DRAWN
ARTWORK**
www.cannabiscollections.com
Toll Free
(855) 247-1443
WWW.GREETINGS143.COM
Wholesale and Bulk Orders Welcome

SHORELINE
DEVIL'S HARVEST
SEEDS
www.thedevilsharvestseeds.com



Stoner Facts

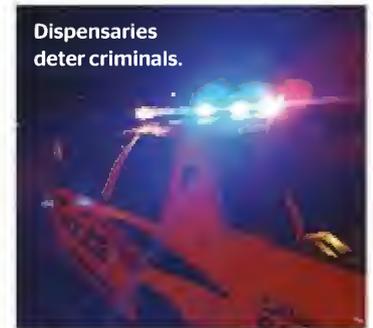
Crime, Carnivores & Cannabis Jeans

Got a question for Dr. Mitch? Email him at 420research@gmail.com.

Is it true there's more crime in areas with cannabis dispensaries?

Sage

Hi Sage,
In a word, *no!* For example, data from Sacramento show that both property crimes and violent crimes are no higher around dispensaries than any other part of the city. Researchers emphasize that a lot of dispensaries have doormen, bodyguards and video cameras, all of which undoubtedly help to discourage crime.



Property crimes and violent crimes are no higher around dispensaries than any other part of the city.

Hi Sky,

I have two sources suggesting that the first pair of Levi's did contain hemp fibers. I don't know if they were the first jeans *ever*, but it is worth noting.

Kees

When I follow a strict vegetarian diet, I can smoke everybody under the table—but when I'm eating meat, I'm a total lightweight. Is this just in my head?

Hi Kees,

As you might guess, there's not a lot of published research on this topic. William O'Shaughnessy, one of the fathers of medical cannabis, administered it to various animals back in the 1840s and found that carnivores were more sensitive to the plant than herbivores. But that's all I could find on the topic. However, pharmacologically speaking, I can't think of any reason it should make a difference.

My boss says that pre-employment drug testing helps him weed out bad workers at his restaurant. I disagree. Can you help me out?

Chef Green

Hi Chef,

As it happens, restaurants that drug-test employees have workers with sick days, accidents and turnover rates comparable to those that don't—all of which makes it seem like an embarrassing waste of money. ✨

My daughter says the first pair of jeans ever made came from hemp. I find that a little hard to believe.

Sky

Dr. Mitch Earleywine is an associate professor of psychology at SUNY Albany and the author of Understanding Marijuana and The Parents' Guide to Marijuana.

TESTNEGATIVE.COM

Guaranteed Quick & Easy solutions!

Incognito Belt™

GO UNNOTICED • UNDETECTED!



- 100% Effective
- Works for All Tests
- Totally Undetectable
- Highest Quality Toxin Free Synthetic Urine
- No Mixing Required
- Ideal Heat Source - Heat Pads included
- Unisex - Male or Female Use
- 200% Double Your Money Back Guarantee

\$125_{ea} Buy 3 get 1 Free

NOW AVAILABLE
Presenting the NEW Oral Clear™ GUM.



The world's first Saliva Neutralizing Gum.
The BEST Saliva solution available.

- Works on all toxins including Nicotine!
- No abstinence period is required prior to using this product
- Effective in just 30 seconds and effect will last 30 minutes
- 200% Double Your Money Back Guarantee

\$90_{ea} Buy 3 get 1 Free

SPIKE™

ADDITIVE



- World's Smallest, Most Potent, Undetectable Urine Purifier ever Created!
- The Solution for Random EMIT Test or Test Panel Testing
- Formulated to Destroy ALL Toxins on Contact
- Simple to Use - Just Pour into Sample
- 1.5mL Micro Vial - Ultra Small & Easy to Conceal
- Good for Up to Two Tests
- 200% DOUBLE Your Money Back Guarantee

\$125_{ea} Buy 3 get 1 Free

ClearChoice®

TRUSTED SINCE 1993

AUTHORIZED DEALER



HFS™

HAIR FOLLICLE SHAMPOO

- Simple Two Step Process
- Removes All Toxins within Minutes
- Clear Zone for Up to 8 hours
- For Any Hair Length
- Safe for the Hair and Scalp
- 200% DOUBLE Your Money Back Guarantee

\$75_{ea} Buy 3 get 1 Free

Online Ordering
TestNegative.com

Call Toll-Free - 24hr Ordering Hotline
1.866.900.5656
1.877.420.7277

ups RUSH! - Next Day Delivery Available

CHECK LOCAL, STATE AND FEDERAL LAWS BEFORE ORDERING

HIGH TIMES READERS
get \$5 OFF

(use coupon code: 5off)

FREE PRIORITY SHIPPING
on all web orders over \$135

Strictly Confidential/ Discreet Shipping



All major credit cards accepted

CONES

☆☆☆☆☆☆

www.SMOKECONES.com

FREE SHIPPING & MERCHANDISE*

perfectly pre-rolled papers with integrated cardboard filter

CONES, DOOBTUBES
ROLLING MACHINES
PACKAGING
& MORE

ORDER ONLINE
SMOKECONES.COM

yelp f

*FREE SHIPPING ON ORDERS OVER \$50

**RETAILERS -
NEED INVENTORY?**

**FREE INDUSTRY
TRADE MAG**

**PRODUCTS
SERVICES
BUSINESS INFO**

HQ Trade Magazine

richard@headquest.com
for more information

THE OFFICIAL RETAILER'S BUYING SOURCE
hqmag.com - the evolution of trade.

"Super Flower Tower"
Alcohol Based
Essential Oil Extractor



www.superflowertower.com

The Super Flower Tower is the Finest Essential oil extractor on the market for home use. It's is very easy to use, Full instructions are included that will get you started making the best oil from virtually any plant. It even reclaims your Solvent !!

\$499.00
complete
4 OZ Model

Use coupon code: HT134
and get FREE Shipping

PayPal

VISA

Limited Lifetime Warranty
Handmade in USA



**TAMISIUM BUTANE OIL
CHEMICAL EXTRACTOR™**

**Most Efficient
Highest Yielding
System**

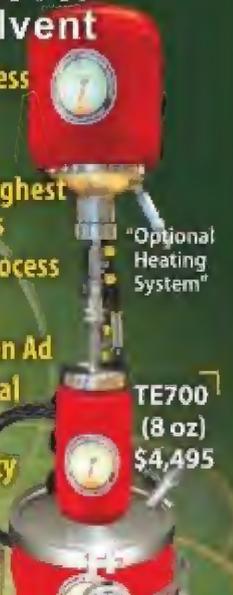
**Safely Recover
Butane Solvent**

- Lab Grade Stainless Construction
- Highest Purity, Highest Yields Highest Product Varieties
- Green Organic Process
- Over 1000 Sold
- Discount: Mention Ad
- Illustrated Manual w/Cust. Support
- Lifetime Warranty
- Patent Pending

TE700 (8 oz) \$4,495

TE175 (2 oz) \$1,495

Learn More 817-726-7525
david@tamisiumextractors.com
www.tamisiumextractors.com




Warner Brothers and the Hippies

The differences of East meeting West

Very few counterculture leaders ever achieve national recognition, and other than John Lennon, a unifying messiah capable of leading our rainbow tribe to the Promised Land never really emerged. In 1971, there was a short-lived attempt to create a hippie homeland in Arizona, similar to what the Mormons established in Utah, but it never generated much interest. At certain times, key figures came close

to capturing a center of energy: Abbie Hoffman certainly springs to mind.

The hippie counterculture emerged spontaneously all across America in 1966, kickstarted by the British Invasion, which created a new style—and new styles often open up new doors to new ideas. The culture arrived with many flavors. John Sinclair in Detroit may have been the most influential early on, especially after he got busted while managing the MC5, the most revolutionary of rock bands. Sinclair started out by renting a bunch of slum houses and turned them into communes. He published his own newspaper and created his own music, bands and art. Sinclair created the White Panther Party, inspired by Malcolm X, whose early rallies he'd attended as the only white guy in the room.

Meanwhile, out west we had Johnny Griggs of the Brotherhood of Eternal Love, Wavy Gravy of the Hog Farm and Stephen Gaskin, a creative writing professor at San Francisco State who'd dropped acid and instantly joined the hippie revolution. And, of course, Ken Kesey and the Merry Pranksters. Every one of these dudes was or is a great shaman and magician for our time, and they all had very unique styles. Generally speaking, the West Coast was more spiritual than the rest of the country, which only means they were more focused on vibrations than actions. The politicians from the East often had trouble understanding the

ceremonies of their counterculture brethren in the West, and vice versa.

Tom Forçade came from Arizona, but his allegiance was to John Sinclair. (In fact, he was one of three people allowed to conduct a correspondence with John while he was imprisoned.) And Tom exerted a similarly disruptive creative force. Case in point: After the success of *Woodstock*, Warner Brothers decided to produce a follow-up movie. The



Tom Forçade and his Caravan of Pirates.

new concept was to take Woodstock on the road by filming a tour of the Merry Pranksters and the Grateful Dead, from California to the Isle of Wight festival in England. The project was dubbed *Medicine Ball Caravan*.

The Grateful Dead, however, insisted that a "magic wish per band member" clause be written into the contract. Basically, any whim of theirs was to be fulfilled no matter the expense—and knowing the Dead, they'd be sure to ask for something like a castle of ice in the desert. Even though the Dead were signed to Warners, they were driving the executives crazy with their tripped-out demands. Kesey was viewed as an instigator in this anti-corporate vibe, so he was 86'd immediately. Then Warners decided they didn't need the Dead for the project either. Big mistake.

Tom was encouraged to follow this caravan around, since one of his friends was a foreman on the tour, and he ran a counter-tour that became known as the Caravan of Pirates, which tried to shake the film company down for a \$50,000 donation to "the people"—a tactic he and Abbie had used successfully on Michael Lang at the first Woodstock festival.

Now that pot is going to be legal worldwide within a few years, maybe we can get that hippie-homeland project back on track. I, for one, would love to retire to a violence-free community that supports organic farming and clean energy. ✨



grasscity.com
world's best online headshop

IT'S 420 BABY! SMOKE 'EM IF YA GOT 'EM

25%
DISCOUNT

Gridded Tongue
to Disc
Stemless



Triple
Showerhead
Tube

Prometheus
Pocket Pipe

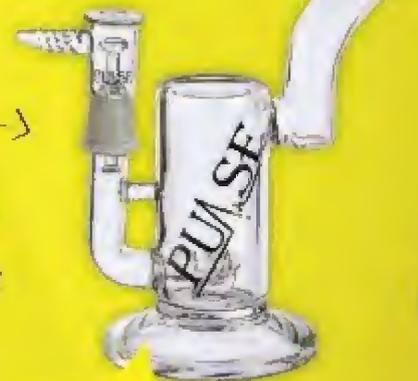


25%
DISCOUNT

EZ
Pipe



Gridded
Tongue
Vapor Rig



25%
DISCOUNT

Complete
Mix ' Match
Tube



25%
DISCOUNT

Grav Labs - STAX

25%
DISCOUNT

Use the following discount coupon at checkout for a
whopping **25% DISCOUNT** on our entire stock

DISCOUNT
COUPON **GC420**

11 days of shopping madness with a 25% discount
April 20th - 30th

CELEBRATE WITH US AND HAVE A HAPPY 420

25%
DISCOUNT



Seedless
Clothing

Swiss
Percs



Grasscity.com - the biggest headshop collection online - over 9000 products listed

World Wide Shipping - Discreet Packaging // All orders over \$USD 50 will receive free goodies and gifts for the duration of the Sale // Buy Scientific Waterpipes (5mm, 7mm and 9mm thick) , Bubblers, Color Changing Glass, Concentrate Utensils, Smoking Accessories, Smoking Papers, Herb Grinders and Lifestyle Gear

Grasscity.com is the official reseller of



Black Leaf

BLAZE

SYN

PUASE



www.420.com

And publishing partner of



WWW.420NETWORK.COM

Disclaimer: All Products are for Tobacco use Only



grasscity.com
world's best online headshop

Prescription for Tragedy

Are pharmaceutical drugs the real “smoking gun” in shooting sprees?



In the wake of the tragic elementary-school shooting in Newtown, CT, President Obama appointed a gun-violence commission to investigate the possible causes and remedies for these ever more frequent “crazed gunman” mass killings. Based on the panel’s recommendations, Obama then signed 23 executive actions aimed at combating and preventing such attacks in the future. These included proposals to broaden the databases for background checks and mental-illness records, launching a gun-safety education campaign, beefing up security at schools and urging Congress to reinstitute the ban on assault weapons, as well as high-capacity magazines. Also discussed was studying possible links between violent video games and real-life acts of violence. Noticeably absent from this conversation, however—in either the commission’s proceedings or the media—was any proposal to investigate the link between these shootings and pharmaceutical drugs.

According to various reports, more than 50 school shootings around the world have been perpetrated by boys on prescription drugs—particularly opioid painkillers and antidepressants such as selective serotonin reuptake inhibitors (SSRIs). Fourteen mass killings have been linked to Paxil and Prozac alone. Columbine killers Eric Harris and Dylan Klebold were on Zoloft and Luvox. Both Newtown gunman Adam Lanza and Virginia Tech gunman Ross Truett Ashley were taking undisclosed medications, and “Batman Shooter” James Holmes was apparently abusing Vicodin. In fact, if you look at the numbers, prescription drugs are a far greater danger to society than crazed gunmen, being responsible for over 100,000 deaths per year. That’s way more than the deaths from all *illegal* drugs and drunk drivers combined. Yet law enforcement continues to waste billions of tax dollars to combat these supposed dangers (including marijuana, which has never

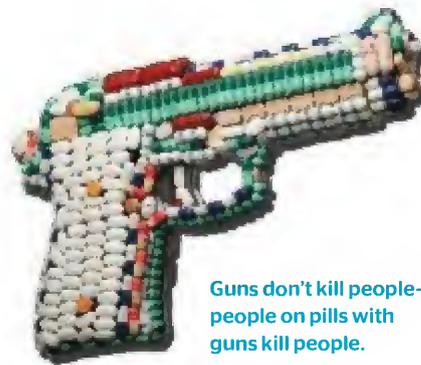
killed anyone), while pharmaceutical companies rake in billions in annual profits. There are around 20 million Americans currently on antidepressant drugs that, despite a laundry list of horrifying side effects (including thoughts of suicide), are not only legal but aggressively advertised on television. Veterans, a group that is prescribed SSRIs with alarming regularity, have the highest suicide rate (up to 30 a month) of any demographic.

How can a pill whose side effects include “thoughts of suicide” possibly be

considered an antidepressant? *How can it even be legal?*

It’s easy to blame Hollywood or video games for society’s desensitization to violence—just like it was easy to blame heavy metal and Dungeons & Dragons for teen suicides in the 1980s—but these are just convenient scapegoats. While violent people may indeed gravitate toward violent games, that doesn’t imply a causal relationship. I watch gory movies, listen to Satanic heavy metal and play *Grand Theft Auto*, yet I’ve never started a fight in my life, let alone contemplated murder. That’s because sane people know the difference between fantasy and reality. In fact, for many people like me, these movies and video games provide a valuable outlet to harmlessly vent one’s anger.

So before we start going all Tipper Gore on the entertainment industry, perhaps we should take a look at something that’s proven to screw with people’s brain chemistry—pharmaceuticals. And as an alternative treatment for depression, maybe we should consider a natural medicine that’s been proven safe and effective for thousands of years and is widely recognized to actually reduce violent tendencies—cannabis. Because let’s be honest: The only thing that someone high on marijuana wants to attack is a pint of Ben and Jerry’s. So come on, America—isn’t it high time you flushed those pills and just fired up a joint instead? ✨



Guns don't kill people—people on pills with guns kill people.



420 Science is all about keeping it fresh. Hot-Shot designer Brianna created five new killer designs that we just love.

The Sugar Trooper and 420 Controller appeal to our inner-geek. The Colorado and Washington jars are a great way to celebrate the success of the legalization movement. And the Happy Birthday jar makes the perfect stoner gift year-round.



420 SCIENCE.COM



Free Seeds

with EVERY* order!

NEW Seedbanks now here!

We offer both *single seeds* and full *packs of ten*, allowing you to create your perfect grow room.

Single seeds are dispatched with a portion of the original product carton. Seeds are dispatched stealthily from Great Britain and you are billed discreetly. We will replace your seeds if they do not reach you, whatever the reason!



Custard Cream
FEM **\$8.40**



Cheese N Chaze
REG **\$10.01**

Double Cream
FEM **\$10.00**

Chemym Jones
REG/FEM **\$10.01**

Pretty Lights
FEM **\$10.18**

Hey Dave
FEM **\$22.52**

Purple Paralysis
FEM **\$8.40**

OJ's Haze
REG **\$10.01**

Sour Turbo Diesel
FEM **\$10.00**

Super Silver Sour Diesel Haze
REG **\$11.24**

Seeds

from **\$1.99**
/Seed

DISCREET
BILLING & PACKAGING

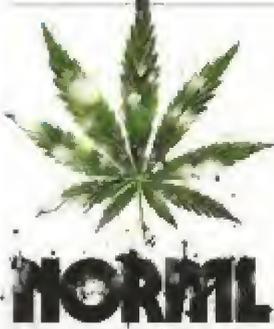
GUARANTEED
NO BULL SHIPPING



*Subject to fair usage, see website. Prices correct at time of publication

www.thesingleseedcentre.com

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD



Cannabis and the Courts

Almost every successful marijuana-law reform measure since the early '70s has been enacted in a direct and democratic fashion.

Allen St. Pierre is the executive director of NORML. Visit norml.org.

Thus far, 18 states and the District of Columbia have medical cannabis laws on the books. Fourteen states have decriminalized marijuana, and two—Colorado and Washington—have recently enacted actual legalization. Only the state of Alaska has effectively reformed its cannabis laws via judicial decision: In 1975, the State Supreme Court ruled that adults can possess a small amount of cannabis in their homes.

Most judges recognize that their fundamental job is to interpret the law, not “legislate from the bench.” So when reform advocates go before state, federal and administrative courts seeking relief from laws created and funded by legislatures, they must recognize that the entire process is stacked against them from the get-go. Establishing legal standing; addressing jurisdictional challenges; getting a class-action lawsuit certified; advancing religious defenses; challenging the legal definition of cannabis; litigating to compel the Feds to stop blocking unbiased scientific research or to report on scientific findings related to cannabis more accurately (and using modern citations); suing the government to allow industrial hemp under existing international treaties; and mounting administrative-law challenges to the clearly inaccurate scheduling of marijuana under the federal



Voters and their elected representatives managed to pass decriminalization or legalization measures in half a dozen states.

Controlled Substances Act or its various counterparts at the state level—all make the judicial process nearly prohibitive for cannabis-law reformers under every conceivable circumstance.

The most recent dead-end legal proceeding for cannabis-law reform took place in January, when the US Court of Appeals in Washington, DC, rejected a nearly 10-year-old rescheduling petition from Americans for Safe Access (ASA),

which advocates for the medicinal use of cannabis.

In its ruling, the court asserted that Congress was responsible for making the plant a Schedule I drug, and it therefore has the authority to change the Controlled Substances Act based on new and compelling scientific evidence anytime it wants. But the court also subjectively ruled that there is not

enough new research on cannabis to justify overturning the will of Congress.

Remarkably, in the 10 years that ASA was fighting successive presidential administrations in the courts to create a medical system for cannabis, the voters and their elected representatives managed to pass decriminalization or legalization measures in half a dozen states. And in the coming years, cannabis-law reformers at the federal, state and local levels will be mounting a series of legalization and other ballot initiatives.

Unfortunately, unlike the civil-rights movement of an earlier era, we can't look to the courts to effect changes in the law anytime soon. In the end, when it comes to cannabis-law reform, it's all up to us. ✨

FREEDOM FIGHTER

by Erik Altieri, NORML communications coordinator

High Karli

The fight for marijuana rights in Texas is what drives Karli Duran.

In the late '70s and early '80s, Karli Duran's parents owned a popular headshop in Dallas, TX, named Strawberry Fields Head World. They were early contributors to NORML—in fact, Karli still proudly displays an original *Doonesbury* cartoon above her fireplace, won by her parents at a NORML art auction. With a heritage like this, it's only natural that Karli

found her way into the arena of marijuana activism.

Her path began as a journalist, writing about cannabis and the Drug War in 2011 for *Weird* magazine, a free monthly distributed in South and Central Texas. However, her crowning achievement was helping to establish and operate San Antonio NORML, for which she serves as executive director. Karli has often been interviewed and quoted in local



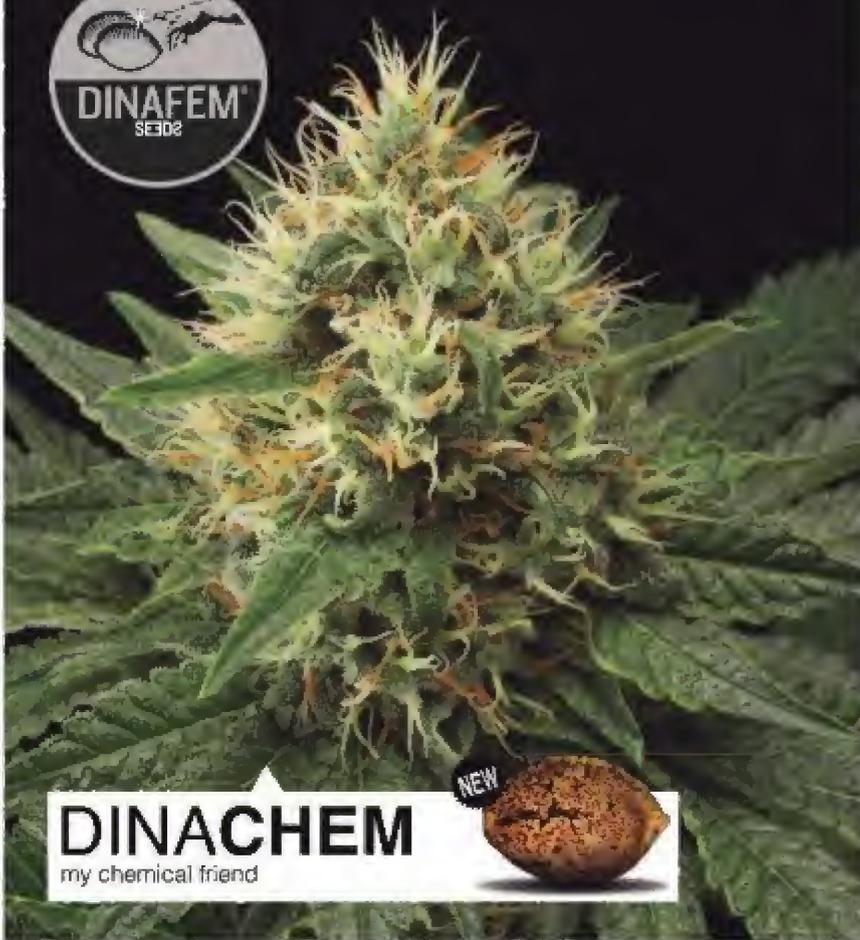
media and marijuana outlets like *Time 4 Hemp* and the *NORML Show Live*. She's also an active participant and volunteer at countless marijuana-law reform events, including the Texas Marijuana March, the Doobie Awards and the Cowboy Cup. Her current focus is on trying to get Bexar County to honor the state's “cite and release” law.

“I had always heard that Austin police were more lenient on people

busted with marijuana,” she says. “But in San Antonio and most cities in Texas, we are not near as lucky. I didn't understand how a bill that was passed unanimously was not being implemented throughout the state five years later.”

Karli plans to continue her meetings with local officials throughout the year to achieve this goal. Never one to shy away from advocacy, she can often be spotted driving around town in a smart car replete with marijuana logos and NORML branding.

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD



DINACHEM
my chemical friend



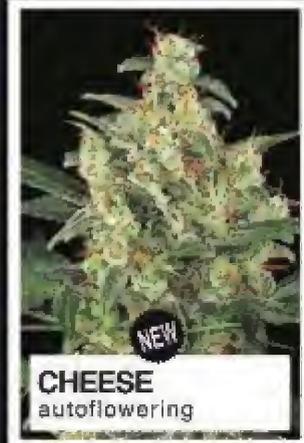
KUSH'N'CHEESE



MOBY DICK
autoflowering



WHITE WIDOW
autoflowering



CHEESE
autoflowering

www.dinafem.org

GUARANTEED DISCREET WORLD WIDE SHIPPING

TRUE NORTH SEEDBANK

N.A.S.B. - 2377 HIGHWAY 2
UNIT 120 - SUITE 174, BOWMANVILLE, ONT
CANADA, L1C 5E2

SEND \$5.00 FOR A
CATALOGUE PRICE LIST FILLED
WITH THE MOST POPULAR
STRAINS FROM THE
BEST-BREEDERS IN THE WORLD!

**FREE SEEDS
WITH EVERY
ORDER!**



CALL THE ORDER HOTLINE!



416-679-0421

www.truenorthseedbank.com

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD



OTHER POPULAR BREEDERS STOCKED....

MEDICAL MARIJUANA DIRECTORY

CALIFORNIA

Alternate Natural Solutions Inc.

8477 Enterprise Dr.
Jamestown, CA 95327
(209) 352-6779
altnatsol.com
"Home of the 5 dollar gram"

BCCP

1928 N. Chester Ave. Suite B
Bakersfield, CA 93308
Phone: (661) 399-8551
Fax: (661) 399-9349
bccpcollective@gmail.com
"Monday thru Saturday, 10 AM to 9 PM—Sunday 12 PM to 7 PM"

Cannahelp Collective

505 East Industrial Place.
Suite A
Palm Springs, CA 92264
Phone: (760) 327-2504
Fax: (760) 327-2538
cannahelp.com
info@cannahelp.com
"\$10 grams! Serving the medical community since 2005."

Club Cannex

11004 Magnolia Ave.
Garden Grove, CA 92843
Phone: 562-200-1164
www.clubcannex.org
rudu@clubcannex.org
Compassionate,
Understanding, Servicing,
Honoring, Inspirational,
Passionate

Coffee Shop Blue Sky

377 17th Street
Oakland, CA 94612
(510) 251-0690
Open 9am-8pm Mon-Sat,
10am-6pm Sunday
oaksterdamgiftshop.com

Emmalyn's California Cannabis Clinic

Cross street: Howard
211 12th St.
San Francisco, CA 94103
Phone: (415) 861-1000
Fax: (415) 861-5237
emmalynscannabisclinic.com
emmalynsccc@yahoo.com

The Good Life

4316 Melrose Avenue
Los Angeles, CA 90029
(323) 522-3542
Open 7 days, 10AM-11PM
facebook.com/goodlifemelrose
Twitter Good Life Melrose
Also fresh fruits and vegetables.

Grassroots Solutions

(888) 798-4915
Farm Fresh meds delivered overnight almost anywhere in California!! Top shelf quality at bargain prices direct from our farm to you.
norcaldirect2u.com

Green Dragon Caregivers

7423 Van Nuys Blvd. Suite C
VanNuys, CA 91405
(818) 442-0054
greendragoncoop.com
edward@greendragoncoop.com

Greenway Compassionate Relief

140 Dubois St.
Santa Cruz, CA 95060
(831) 420-1640
Mon-Sat 11am -7pm
Organic-All Grades-
Edibles-Tincture

Greenwell Collective

616 Marin St.
Vallejo, CA 94590
(707) 980-7774
greenwellcooperative.com
greenwellcooperative@yahoo.com
"In Greenwell we trust"

Harborside Health Center

1840 Embarcadero
Oakland, CA 94606
(510) 533-0147
harborsidehealthcenter.com
"Out of the shadows, into the Light"

High Quiggle Healing Center

1532 East Broadway
Long Beach, CA 90802
Phone: (562) 951-3975
Fax: (562) 951-3902

weedmaps.com

"A circle of healing is never ending"

Love Shack

502 14th street
San Francisco, CA
(415) 552-5121
theloveshackcooperative.com
Mon-Sat 10am-7pm,
Sun 11am-4pm
Full Service Dispensary
Voted Best of The Bay

Mind, Body, and Soul Collective

3131 East Central Ave.
Fresno, CA 93725
Phone: (559)-486-6010
Fax: (559)-486-6011
mbscollective.com
admin@mbscollective.com
"Open 7 days a week--Quality, Integrity, Trust"

Patients Care Collective

2590 Telegraph Ave
(between Blake & Parker)
Berkeley, CA 94704
berkeleypatientscare.com
(510) 540-7878
Mon to Sat 12-7 pm

Perennial Holistic Wellness Center

11705 Ventura Blvd.
Studio City, CA, 91604
Phone: 818-505-3631
Fax: (818) 505-3621
facebook.com/perennialhwc
perennialholistic@mail.com
"Committed to the advancement of cannabis science through dedicated patient service."

Trusted Friends II Inc.

3061 Churn Creek Rd.
Redding, CA 96002
530-222-3645 (phone number)
530-222-3671 (fax number)
trustedfriends.com
trustus421@yahoo.com

1 Love Wellness Center

1841 El Camino Ave.
Sacramento, CA 95815
916-231-LOVE
916-927-1553 (fax)
llovelwellness.org
linda@onelovewellness.org
"Sacramento's largest and loving Wellness Center"

7 Star Meds

3823 San Pablo Dam Rd.
El Sobrante, CA, 94803
(510) 758-MEDS(6337)

COLORADO

Karmaceuticals LLC

4 South Santa Fe Drive
Denver, CO 80223
(303)-765-2762
facebook.com/karmaceuticals
karmaceuticalsco@gmail.com
"Over 120 strains of fire"

Minturn Medicinal / Vail Valley

Minturn, CO 81645
(720) 490-0458
Free Delivery
minturnmedicinal.com

MICHIGAN

A2 Compassionate Healthcare

MedMar A2 Inc.
1818 Packard Street
Ann Arbor, MI 48104
734.213.1420
medmarx.net
Highest grade medical marijuana at the lowest prices.

Big Daddy's Compassion Center

13211 Northend
Oak Park, Michigan 48237
248-399-5299
bigdaddyhydro.com
Five locations statewide,
professional, courteous, best selection anywhere

Cannaisseur Collective

"A Shelf Above The Rest"
State St (call for pre-verification & address)
Ann Arbor, MI
734-494-0772
cannaisseurcollective.com
Twitter.com/Cannaisseurlife

Downriver Wellness Group

17109 Ecorse Rd.
Allen Park, MI 48101
313-769-6288
downriverwellness.com

GanjaMama's

Treecity Health Collective
1712 S State St
Ann Arbor, MI 48104
(734)369.3212
ganjamamas.com
Compassionate Care, Safe/
Supportive Environment,
Highest Quality Medicine

Grass Roots Society

8899 W Peck Rd
Greenville, MI 48838
616-225-2200
616-225-2220 (fax)
grassrootsociety.com
grassrootsociety@rocketmail.com

Lakeshore Alternatives

Seed Bank

6155 Blue Star Highway
Saugatuck, MI 49453
269-857-1188
lakeshoremeds@gmail.com
lakeshorealternatives.com
"West Michigan's #1 Place for finding SEEDS"

Michigan Compassion Center

1222 Glenwood Ave.
Flint, MI 48503
970-509-0781 (Phone number)
810-265-7821 (office number)
810-265-7436 (fax number)
mccflint@gmail.com
facebook.com/
michigancompassioncenter
"Patients Come First"

Michigan Medical Marijuana

Certification Center
29877 Telegraph Road,
Suite 303 B
Southfield, MI 48034
(248) 932-6400
MMMCC.net

MSC3

227 N. Winter Street Suite 302
Adrian, MI 49221
medicinalsolutions.com
MON-FRI 10am-8pm
SAT 10am-7pm
CLOSED SUNDAYS

OM of Medicine

112 South Main Street, 3rd Flr
Ann Arbor, MI 48104
734-369-8255
omofmedicine.org
info@omofmedicine.org
"Power to the Patients!"

Pure West Compassion Club

840 N. Black River Dr. Ste #80
Holland, MI 49424
616-466-4204
purewestclub@gmail.com
CALL TODAY & Get Doctor
Certified for \$99

Trans Love Energies

1486 Gratiot (Eastern Market)
Detroit, MI
By Appointment Only
Call: (313) 262-1886

MONTANA

Olympus Incendias

2591 Industry #A
Missoula, MT 59808
Phone: (406) 829-WEED
www.missoulameds.com
Customer oriented true
Compassion Center!

OREGON

Eugene Compassion Center

2055 W. 12th Ave
Eugene, OR 97402
(541) 484-6558

WASHINGTON

North Seattle Conscious Care Cooperative

14032 Aurora Ave North, Ste C
Seattle, WA 98133
Aurora@cccoperative.org
www.Seattleccc.org
Phone: (206) 466-1206
Fax: (206) 466-1203

Purple Cross Patient Care Association

469 North 36th Street, Suite D
Seattle, WA 98103
Phone: (425) 446-1205
Fax: (206) 588-1596
purplecrosspatientcare.org
Mon-Sat, 11-9 pm Sun. 1-9 pm
Open 7 days a week!

WA First Step

Get Legal take your First Step
Medical Consulting &
Recommendations
Kent, WA, wafirststep.com
(253)893-2420

CANADA

Note: Canadian medical clubs rarely accept US medical marijuana IDs. Prior arrangements need to be made before your visit by contacting the medical club.

CALM Toronto

P.O. Box 47023, Stn. 425
220 Yonge St.
Toronto, ON m5b 2P1
Office: (416) 367-3459
Fax: (416) 367-4679
Open 7 days a week
cannabisclub.ca

Canadian Compassion Dispensary

US patients welcome.
Phone: 647-771-9703
Toronto, ON
www.c-disp.com.

T.A.G.G.S. Dispensary

11696 224th Street
Maple Ridge, BC V2X-6A2
Phone: (604)-477-0557
Fax: (604)-477-0575
Open 7 days/week, 11am-7pm
taggsdispensary.ca

DISPENSARY SERVICES

Canna Fresh

cannafresh.com
Wholesale: (424) 442-0232
"Custom Glass Containers
For The Medical Industry"

Cannaline

cannaline.com
Wholesale only
301-356-9096
Stock & custom printed
glass containers,
concentrate containers
& medicine bags.

EmeraldTriangleBuds.com

Certification programs
for Dispensary and
Medical Grow! Strain
verification using DNA.
530-845-6914
Emeraldtrianglebuds@
yahoo.com

Gaslamp Insurance

1111 6th Avenue, 3rd Floor
San Diego, CA 92101
(619) 238-4367, x. 205
Fax: (619) 238-4387
Medical marijuana
insurance for dispensaries,
growing facilities, bakeries
& medibles.
mmjinsurance.com

PRINCE INCENSE



630.670.1845

www.princeincense.com

lidocaine / lido scent / procaine / pro scent / benzocaine /
miami ice room odorizer / come back room odorizer / mother of pearl
room odorizer / fish room odorizer / return room odorizer / ultimate pearl
room odorizer / inositol powder / caffeine powder / lactose / white lactose /
brown mannitol powder / super b blend / quinine hcl / white quinine hcl /
brown manninite connesenti / we carry many carpet fresheners,
room odorizers and vitamin products.

accepting c.o.d. and money order
wholesale inquiries welcome
we beat all competitor prices



HIGH TIMES LEGAL DIRECTORY

ALABAMA

Alan R. Elledge, Attorney at Law

7404 Hwy 43
Florence, AL 35634
(256) 757-4007
Fax: (256) 757-4003
aelledge138@hotmail.com
'Vigorous statewide marijuana defense.' No representation is made that the quality of the legal services to be performed is greater than the quality of legal services performed by other lawyers.

ARIZONA

Jamal Allen

Allen & Associates, Lawyers
1811 S. Alma School Rd, Ste 145
Mesa, AZ 85210
Ph: 480-899-1025
Fax: 480-248-6389
goodazlawyers.com
All Stops, Arrests & Seizures

Lee Phillips

Law Offices of Lee Phillips
323 N. Leroux St., Suite 101
Flagstaff, AZ 86001
928-779-1560
notguilty1.com

Michael Walz

Law Offices of Michael Walz
4000 North Central, Ste 1250
Phoenix, AZ 85012
602-288-8349
walz@Potlawyer.com
potlawyer.com
Member NORML Legal.
Marijuana niche criminal possession, cultivation, sales and MJ-DUI, or AZ DHS hearings.

CALIFORNIA

Bob Boyd

107 W. Perkins Street, Ste #17
Ukiah, CA 95482
707-468-0500
mendocinolaw@comcast.net
mendocinolaw.com

Omar Figueroa

Law Offices of Omar Figueroa
7770 Healdsburg Ave, Ste. A
Sebastopol, CA 95472
(707) 829-0215
omar@stanfordalumni.org
omarfigueroa.com
Founder of Cannabis Law Institute. Specializing in cannabis cultivation and medical marijuana cases. Free case consultation. ¡Yo hablo español!

Christopher M. Glew

1851 E. First Street, Ste. 840
Santa Ana, CA 92705
Fax: 714-648-0501
Phone: 714-648-0004
marijuanalawyer@yahoo.com
glewkimlaw.com

Imhoff & Associates, P.C.

Criminal Defense Attorneys
Vince Imhoff, Managing Partner
Los Angeles, CA
800-887-0000
Info@CriminalAttorney.com
CriminalAttorney.com
Experienced, aggressive
Medical Marijuana &
Criminal Defense Attorneys
Nationwide
Free consultation

Law Offices of

John M. Kucera

1416 West Street
Redding, CA 96001
530-241-1800
jkucera@snowcrest.net
Former major grow prosecutor.
Over 30 years of aggressive and experienced state and federal defense. Serving Shasta, Siskiyou, Tehama, Trinity and other Northern California counties on request.
jmk-law.com

Bruce Margolin

8749 Holloway Dr.
West Hollywood, CA 90069
310-652-0991 or
800-420-LAWS
bmargolin@aol.com
1800420laws.com
margolinlawoffices.com

Marijuana and criminal defense since 1967. Director, L.A. NORML. Call for a free guide to marijuana laws in all 50 states.

Eric Shevin

15260 Ventura Blvd., Ste 1050
Sherman Oaks, CA 91403
Phone: 818-784-2700
Fax: 818-784-2411
eshevin@aol.com
shevinlaw.com
Cannabis expertise, criminal defense and business formation.

Randy Sue Pollock

2831 Telegraph Ave
Oakland, CA 94609
Phone: 510-763-9967
Fax: 510-272-0711
PollockEsq@aol.com

James M. Taylor

Law Office of James M. Taylor
783 West Ramsey, Suite G
Banning, CA 92220
951-849-2081
jamesmtaylor.esq@verizon.net
Dedicated to Criminal Defense

COLORADO

Sean T. McAllister, Esq. Tae Darnell, Esq.

McAllister, Darnell & Assoc., P.C., AKA "Cannabis Law Center, P.C."
Criminal Defense/Dispensary Representation
Denver Office: 303-575-5600
Fax: 720-542-8391
lawindenver.com

CONNECTICUT

Law Office of Aaron J. Romano, PC

45 Wintonbury Avenue, Ste 107
Bloomfield, CT 06002
Tel. 860-286-9026
attorneyaaronromano.com
Criminal Defense - MMJ
Advocacy - Expungements
15 Years of Fighting for Your Right to be Natural

FLORIDA

Bjorn Brunvand

615 Turner Street
Clearwater, FL 33756
Phone: 727-446-7505
Fax: 727-446-8147
bbrunvan@tampabay.rr.com
acquitter.com

James Davis

Law Office of James Davis, P.A.
300 West Adams St, Ste 550
Jacksonville, FL 32202
Office: 904.358.0420
Fax: 904.353.1359
Criminal defense focusing on drug cases.

Law Offices of

Ricardo P. Hermida

55 Merrick Way, Suite 212
Coral Gables, FL 33134
Tel: 305-461-1116
Fax: 306-461-6446
rick@rphermida.com
Aggressive State and Federal grow house defense in Miami, Dade County and throughout Florida. Member—National Association of Criminal Defense Lawyers and Florida Association of Criminal Defense Lawyers.
"Se Habla Espanol"

Greg M. Lauer

Board Certified Expert in Criminal Trial Law
320 SE 10th Ct.
Ft. Lauderdale, FL 33316
(954) 559-0647
www.law-lc.com
Offices in Broward, Dade, & WPB *Former Drug Trafficking Prosecutor
*Free Initial Consultation

Donald A. Lykkebak

250 Park Ave South, Suite 200
Winter Park, FL 32789
Ph: 407-425-4044
Fax: 321-972-8907
don@donaldlykkebak.com
donaldlykkebak.com
"Board certified criminal trial lawyer with over 30 years' experience."

Robert Shafer & Associates, P.A.

Robert Shafer
106 N. Pearl Street
Jacksonville, FL 32202-4620
Tel: 904-350-9333
Fax: 904-633-7820
shafercriminalaw.com
robert@shafercriminalaw.com
Over 30 years focusing on drug charges.

John H. Trevena

801 West Bay Dr., Suite 509
Largo, FL 33770
Phone: 727-581-5813
Fax: 727-581-7758
TrevenaLaw@aol.com
trevena.com

ILLINOIS

Jeffrey B. Fawell

Fawell & Associates
500 S. Country Farm Rd,
Ste 200 Wheaton, IL 60187
630-665-9300
fawell@fawell.com
Criminal, DUI, traffic, and immigration defense.

Imhoff & Associates, P.C.

Criminal Defense Attorneys
Vince Imhoff, Managing Partner
Naperville, IL
800-887-0000
Info@CriminalAttorney.com
CriminalAttorney.com
Experienced, aggressive
Medical Marijuana &
Criminal Defense Attorneys
Nationwide
** Free consultation**

INDIANA

Stephen W. Dillon

Dillon Law Office
3601 N. Pennsylvania St.
Indianapolis, IN 46205
317-923-9391
steve@dillonlawindy.com
stevedillonlaw.com
Chair, NORML Board of Directors.

KANSAS

William (Billy) K. Rork

1321 SW Topeka Blvd.
Topeka, KS 66612-1816
785-235-1650
rork@rorklaw.com
rorklaw.com
Zealous and successful drug defenses on I-70/I-35 vehicle stops.

Cal Williams

Calvin K. Williams Chtd.
280 N. Court Ave.,
P.O. Box 304
Colby, KS 67701
785-460-9777
calwilliamsesq@hotmail.com
On I-70, western Kansas.

MARYLAND

David E. Kindermann, Esq.

15 West Montgomery Ave,
Suite 300
Rockville, MD 20850
Tel: 301-762-7900 — 24/7
Fax: 301-309-0887
kindermannlaw.com
dave@kindermannlaw.com
Licensed in Maryland, D.C. and Federal Courts incl. U.S. Supreme Court.

MASSACHUSETTS

Norman S. Zalkind

Zalkind, Duncan & Bernstein LLP
65A Atlantic Ave.
Boston, MA 02110
Phone: 617-742-6020
Fax: 617-742-3269
nzalkind@zalkindlaw.com

MICHIGAN

Matthew R. Abel

Cannabis Counsel PLC
2930 Jefferson Avenue East
Detroit, MI 48207
313-446-2235
attorneyabel@me.com
cannabiscounsel.com
Executive Director of MINORML. NORML Legal Committee Lifetime Member. Specializing in cannabis cases and cannabis business law.

Viper Vape

We have the vaporizer you need at the price and quality you demand!

Introducing the revolutionary new Viper V-hit with metal bowl so you don't lose any of your precious products

~~\$120~~ **\$59.99**



Dry Herbs? Then you're gonna need our Viper Magic Pen it can go anywhere that you can

~~\$140~~ **\$69.99**



If you have the concentrates then we have the product for you the Viper V Pen

~~\$120~~ **\$59.99**



Kits starting at \$39.95

Find these products and many more @

WWW.VIPERVAPEPEN.COM



30 Day Money back guarantee on all kits and free shipping on orders over \$40.00
Wholesale opportunities available! wholesale@vipervapepen.com

HIGH TIMES LEGAL DIRECTORY

Jason Barrix

Attorney at Law
Barrix Law Firm PC
2627 E. Beltline Ave SE,
Suite 310B
Grand Rapids, MI 49546-593
Call 24/7 Service
1-877-NO-4-Jail /
1-877-664-5245
Fax: 1-888-337-1308
barrixlaw.com
Criminal Defense Focusing
on Drug, DUI, License
and Injury Cases. "Winning
Cases Statewide since 1993"

Michael A. McInerney, Esq.

Michael A. McInerney, PLC
312 E. Fulton
Grand Rapids, MI 49503
(616) 776-0200 (24 hrs)
mamgrlaw@gmail.com
Defending your rights!
Medical Marijuana Issues
Civil/Criminal Trial Attorney
All Michigan Courts

John Targowski & Daniel Grow

Targowski & Grow, PLLC
141 East Michigan Ave Ste 201
Kalamazoo, MI 49007
(800) 957-1069
targowskigrow.com

MISSOURI

K. Louis Caskey

1102 Grand Blvd, Suite 800
Kansas City, MO 64106
Phone: 816-221-9114
Cell Phone: 816-536-1411
Fax: 816-220-0757
klouie711@aol.com
caskeyatlaw.com

Daniel Dodson

315 Marshall Street
Jefferson City, MO 65101
573-636-9200 or
800-DODSON-1
dd@danieldodson.net
danieldodson.net
Board member, NACDL;
Nationwide advice/referrals.

Dan Viets

15 N. 10th St.
Columbia, MO 65201
573-443-6866
danviets@justice.com
Former president of MO
Assoc. of Criminal Defense
Lawyers, NORML Board
Chair.

NEW HAMPSHIRE

Sven Wiberg

Wiberg Law Office
2456 Lafayette Road, Suite 7
Portsmouth, NH, 03801

Phone: 603-686-5454
Fax: 603-457-0332
sven@nhcriminaldefense.com

NEW JERSEY

William H. Buckman

110 Marter Ave, Suite 209
Moorestown, NJ 08057
Phone: 856-608-9797
Fax: 856-608-6244
wbuckman@whbuckman.com
whbuckman.com

Nathan Kittner

131 Main St.
Hackensack, NJ 07601
201-488-5565
vlsgrad@prodigy.net

Criminal defense litigation.

Frank T. Luciano, P.C.

147 Main St, Suite #5
Lodi, NJ 07644
Phone: (973) 471-0004
Fax: (973) 471-1244
cdswiz.com

Over 30 years of defending
drug prosecutions. Free book
on drug cases in New Jersey.

Allan Marain

100 Bayard St.
P.O. Box 1030
New Brunswick, NJ 08903
732-828-2020
info@NJMarijuana.com
njmarijuana.com
When pleading guilty is not
an option.

Neal Wiesner

Law Office of Neal Wiesner
1 Maiden Lane, 9th floor
New York, NY 10038
Tel: 212-732-2225
Fax: 718-556-0118
nealwiesner@aol.com

NEW MEXICO

David C. Serna Serna Law Offices

725 Lomas Blvd. NW
Albuquerque, NM 87102
505-242-4057
sernalaw.com
Board-certified criminal-
defense specialist. NORML
lawyer since 1985.

NEW YORK

Robert S. Gershon

Law Office of Robert S.
Gershon
142 Joralemon Street, Ste 5A
Brooklyn, NY 11201
718-625-3977
robertgershon.com
rg@robgershon.com
I help good people in bad
situations.

David C. Holland, Esq.

David C. Holland, P.C.
250 West 57 St., Suite 920
New York, NY 10016
212-935-4500
Licensed in NY, NJ & MD.

Neal Wiesner

Law Office of Neal Wiesner
1 Maiden Lane, 9th floor
New York, NY 10038
Tel: 212-732-2225
Fax: 718-556-0118
nealwiesner@aol.com

OHIO

Spiros P. Cocoves

Law Offices of Spiros P.
Cocoves
610 Adams St., 2nd Flr
Toledo, OH 43604-1423
419-241-5506
Fax: 419-242-3442
scocoves@gmail.com
Federal/State Criminal
Defense, OH/MI

OKLAHOMA

M. Michael Arnett

Arnett Law Firm
3133 N.W. 63rd Street
Oklahoma City, OK 73116
Tel: (405) 767-0522
Fax: (405) 767-0529
mikearnett1@juno.com

Chad Moody

217 N Harvey Street, Ste. 409
Oklahoma City, ok 73102
Phone: 405-231-4343
Fax: 405 231-0233
thedruglawyer@
thedruglawyer.com
When a Conviction is Not an
Option

OREGON

John C. Lucy IV

2121 SW Broadway, Suite 130
Portland, OR 97201
Phone: 503-227-6000
Other Phone: 919-720-2513
john@law420.com
law420.com
"Medical Marijuana and Drug
Crime Defense Throughout
Oregon"

PENNSYLVANIA

Simon T. Grill

525 Elm Street
Reading, PA 19601
888-333-6016
STG1300@epix.net
Marijuana defense.

SOUTH CAROLINA

Robert E. Ianuario,
M.B.A., J.D.

Attorney & Counselor
419 Vardry St.
Greenville, SC 29601
Tel (864) 255-9988
Fax (866) 212-3249
sc420attorney.com
Member of Norml Legal
Committee, Member of National
College for DUI Defense

TEXAS

Jamie "The Dude" Balagia

Offices in Austin and
San Antonio, TX
Board Member—San Antonio
NORML. NORML Legal
Committee. Former "VICE
Cop"—Austin PD. State and
Federal representation.
420dude.com
jamie@420dude.com
San Antonio: 210-394-3833
Austin: 512-278-0935

Blackburn & Tisdell L.L.P.

718 W 16th St.
Amarillo, TX 79101
Phone: 806-371- 8333
Fax: 806-350- 7716
blackburn@ipoftexas.org
txcriminallawyer@yahoo.com

Greg Gladden

3017 Houston Ave.
Houston, TX 77009-6734
713-880-0333
gladden@airmail.net

Gerald Goldstein

2900 Tower Life Bldg.
San Antonio, TX 78205
210-226-1463
GGandH@aol.com

Michael C. Lowe

Attorney At Law
700 N Pearl Street, Ste 2170
Dallas, Texas 75201
214.526.1900
Toll free: 866.351.1900
Fax:214.969.0258
dallasjustice.com
Board certified in criminal
law by the Texas board of legal
specialization.

Larry Sauer

Law Offices of Larry Sauer
1004 West Ave
Austin, TX 78701
512-479-5017
austindruglawyer.com
Criminal defense.

VIRGINIA

Adam B. Crickman

Law Office of Adam B.
Crickman
3516 Plank Road, Suite 5-B
Fredericksburg, VA 22407
540-785-5500

Experienced, Aggressive
Criminal Defense.

WASHINGTON

Jeff Steinborn

3161 Elliot Avenue, Suite 340
Seattle, WA 98121
Tel: 206-622-5117
Fax:206-622-3848

Pat Stiley

Stiley & Cikutovich
1403 W. Broadway
Spokane, WA 99201
888-440-9001
fudea@earthlink.net
legaljoint.net
If you grew it, we will come.

WASHINGTON D.C.

David E. Kindermann, Esq.

15 W. Montgomery Ave, Ste.
300
Rockville, MD 20850
Tel: 301-762-7900 — 24/7
Fax: 301-309-0887
kindermannlaw.com
dave@kindermannlaw.com
Licensed in D.C., Maryland
and Federal Courts incl. U.S.
Supreme Court.

WISCONSIN

Robert J. Dvorak

Halling & Cayo
320 E Buffalo St., Ste. 700
Milwaukee, WI 53202
414-271-3400
rjd@hallingcayo.com
Representing the accused
since 1978.

Mark D. Richards S.C.

209 8th Street
Racine, WI 53403
262-632-2200
richardslaw@ameritech.net
richardslaw1.com
Aggressive drug defense.

CANADA

Henderson & Lee Law Corporation

Barristers & Solicitors
#1010 Metro Tower I
4710 Kingsway
Burnaby, BC V5H4M2
604-558-2258
Fax: 604-558-4023
info@hendersonleelaw.com

The Law Office of Jeffrey I. Reisman

465 Queen Street East
Toronto, Ontario M5A 1T6
647-351-(HELP) 4357
jeffreireisman@gmail.com
Aggressive Drug Defense
Lawyer

**ON NOVEMBER 6TH 2012
COLORADO AND WASHINGTON
LEGALIZED MARIJUANA.**



HELP US FREE THE OTHER

**48
STATES**

**TOGETHER,
WE WILL LEGALIZE MARIJUANA.**

JOIN TODAY @ NORML.ORG



Pot Shots

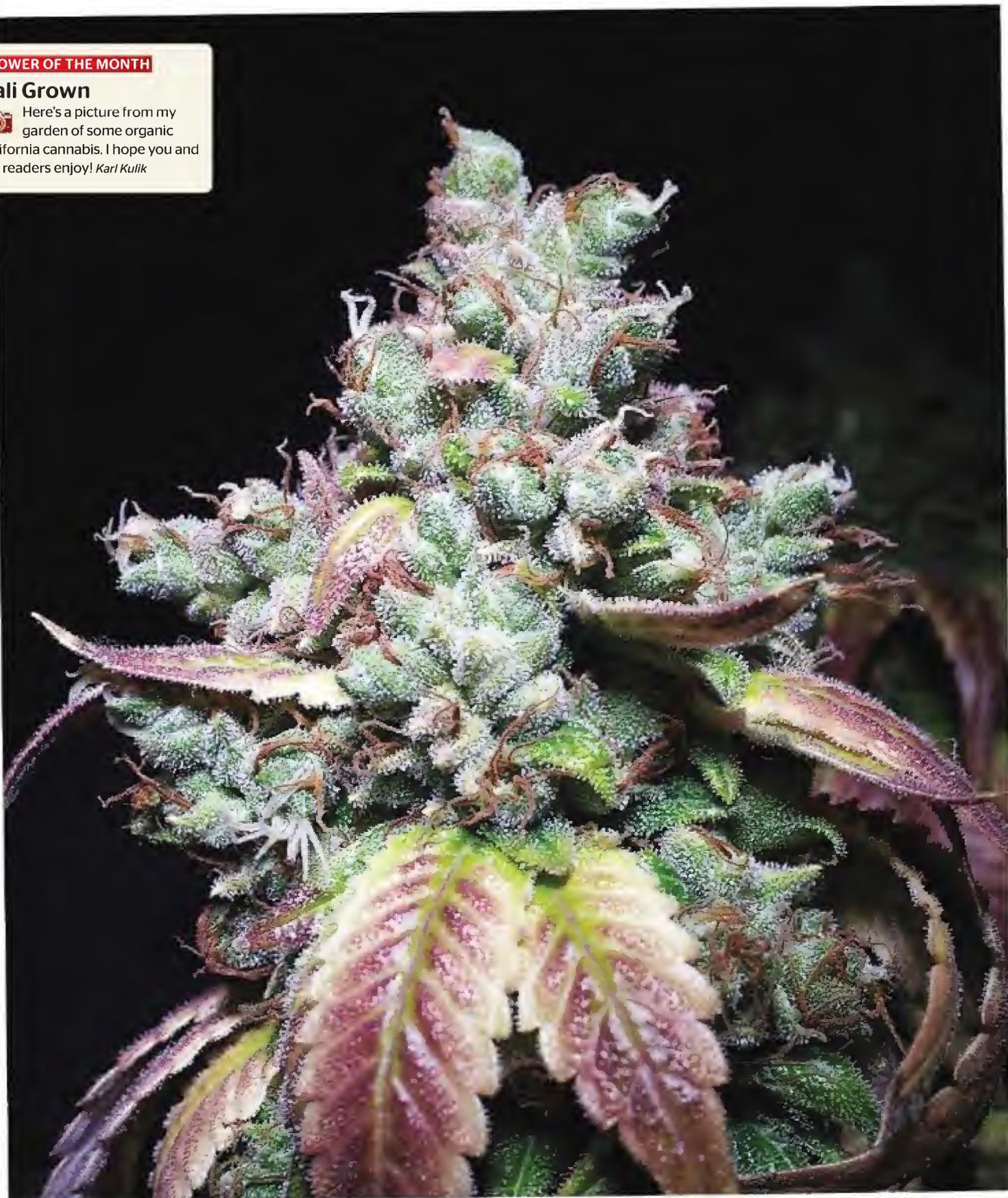
Show us what you got!

Email your hi-res digital photographs to mailbag@hightimes.com or send pictures (no Polaroids) to 250 West 57th Street, Suite 920, New York, NY 10107.

FLOWER OF THE MONTH

Cali Grown

 Here's a picture from my garden of some organic California cannabis. I hope you and the readers enjoy! *Karl Kulik*





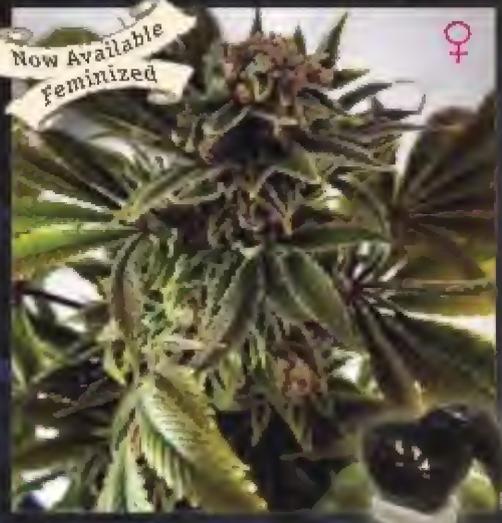
PREMIER INDICAS

MK-ULTRA



INDICA CUP WINNER
High Times Cannabis Cup 2002
High Times Cannabis Cup 2003

DARKSTAR



HIGHEST THC IN THE GALAXY!
During the recent 22nd High Times Cannabis Cup, Dark Star® tested 22%+ THC soaring higher than all the Indica Cannabis Cup Winners!
Winner of the 2012 Exopopow Cup (Iran-Spain)

CRITICAL HOG



CUP WINNER
Hog - High Times Cannabis Cup Indica Cup Winner

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD
 T.H. Seeds® Amsterdam. info@thseeds.com, www.thseeds.com - UK distributor: Pure Sativa, t.020 8964 1717 f.020 8964 1818
 email: puresales@pure-hemp.com, www.puresativa.com



MASTERMINDED
DISTRIBUTION

Discover more at:
www.Master-Minded.com



The Evolution of Vaping!

Vapenwiser was founded in 2011. Their main goal is to design & manufacture the most useful, cutting edge, and innovative products available to the market! Vapenwiser specializes in the highest quality machine work, and exclusively use premium grade, USA made, materials for their complete line of products. Shown here are the Male Domeless Direct Inject Nail (Right), & the Female Domeless Nail (Left).



ONE SIZE FITS ALL!

Also Available from Vapenwiser:



5.5mm Pro Series Anodized Dabbers
(Available in 4 Styles & Colors)



10mm Titanium Nails
(Dome & Domeless)

Master Minded also proudly carries:



GRENCO SCIENCE

HEALTH
STONE
GLASS

SANTA CRUZ
SHREDDER

GARDEN OF THE MONTH

ScrOG!



This is my Screen of Green garden in Arizona. 72



CLOSEUP OF THE MONTH

Green Avenger



This is my TGA Plush-berry (Black Cherry Soda x Space Queen) *indica*-dominant big-yield pheno. These girls were grown veganically in California with love. They smell like nothing I have ever produced before. Props to Subcool and the TGA crew for their amazing genetics.
Cann Comm



Personal Vaporizers



PULSAR 7
For Raw Herbs



PULSAR Ninja
For Thick Oils & Concentrates

E-Cigarettes & E-Liquid

Dark Matter Caps

Kratom

100% All Natural Herbal Blends

www.LegalHerbsDirect.com

For Wholesale Inquiries, Email us at Wholesale@LegalHerbsDirect.com!

WE CARRY THE LEADING DRUG TESTING PRODUCTS AT **DISCOUNTED PRICES!**

TOP SELLING DETOX PRODUCTS

- DRINKS • SHAMPOOS
- MOUTHWASHES

WORLD'S LEADING SYNTHETIC URINES

- POWDER OR PREMIXED

THE MOST POPULAR URINE SUBSTITUTION KITS

1-800-975-1466

WWW.DRUGTESTCHEATS.COM

FREE SHIPPING

#1 PLANT HORMONE

FOR GROWERS AND CO-OPS FOR OVER 30 YEARS

YES DOUBLE/TRIPLE YOUR YIELD

- ✓ Plant Hormones
- ✓ Totally Unique
- ✓ Easy-To-Use
- ✓ Amazing Results
- ✓ Absolutely Safe
- ✓ Soil or Hydroponics
- ✓ Indoors or Out



Plantastic Plant Products are miraculous hormone stimulants used to increase the number of blossoming and flowering sites on your plants and give you a greater harvest.

FREE SENSА-SPRAY 2oz bottle with any purchase

PLANTASTIC PLANT PRODUCTS

SS0512 Enter code at checkout for offer. Order now while supplies last.

For more information visit us online at www.plantasticplantproducts.com

NUGS OF THE MONTH

Super Bowl

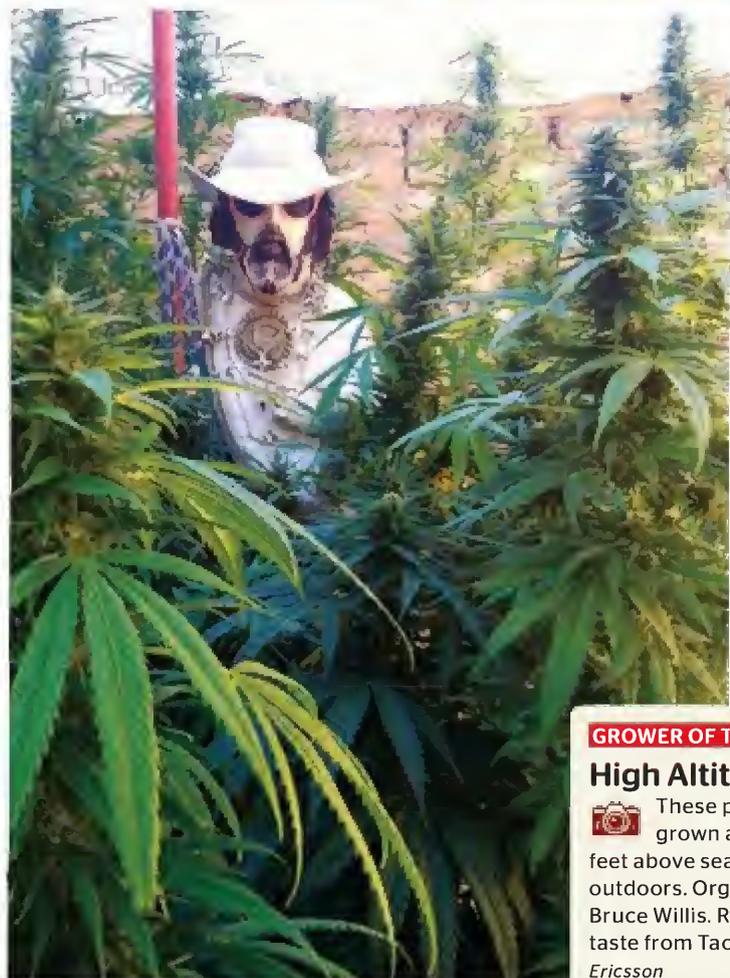
 Weedies, the breakfast of champions! Jesse James from Central Coast California



SPROUTS OF THE MONTH

Young Ones

 These are my Critical Mass plants under T5 fluorescent lighting. PC.



GROWER OF THE MONTH

High Altitude

 These plants were grown at 7,500 feet above sea level outdoors. Organic classic Bruce Willis. Rich pure taste from Taos, NM. Ericsson

Jake's is a proud supporter of **BAD SEED** the movie

Bud Grown With Jake's

Watch free grow videos at jakesfertilizer.com

www.facebook.com/groups/badseedfilm/

The Med+tainer

-- AIR-TIGHT --
-- WATER-TIGHT --

-- STORE --
-- GRIND --
-- POUR --

COMING SOON - - - EXCITING NEW PRODUCTS!

Best New Product Nominee High Times® Cannabis Cup™ 2012

\$15.00 Special Edition | \$9.99 Regular

EDITION SERIES No. 3,173 of 5,000

EDITION SERIES No. 5,074 of 10,000

Numbered Special Editions

Check out our full product line on the website

www.themedtainer.com
facebook.com/medtainer
twitter.com/themedtainer
instagram.com/themedtainer

On Sale
May 14th
Don't Miss It!

JULY 2013

HIGH TIMES



A glob of goo turned into shiny shatter.

► Sensational 710 Special!

Why is 710 the new 420? We'll answer that and much more as we delve into the wild, wonderful world of dab culture. Senior editor Bobby Black talks to the current kings of concentrates! Plus, longtime contributor K of Trichome Technologies schools you on how to turn your buttery BHO goo into shiny shatter.

► Beginner Grow Basics

Cultivation editor Nico Escondido tackles often-asked questions to help you get up to speed and growing great ganja in no time. From grow systems to nutrient programs, here's an overview of basic cultivation tips to help you harvest quality pot.

► (Re) Introducing Landrace Strains

While many cannabis strains are diluted due to amateurish breeding practices, some grow experts are using original heirloom marijuana genetics to reinvigorate the ganja gene pool for the benefit of medical patients and growers alike.

► Roseanne Sounds Off

The outspoken, irrepressible Roseanne Barr, who ran for president in the last election, sits down with editorial director Dan Skye to talk about showbiz, her political views and, of course, her affection for cannabis.

► Inside the Afghan Opium Trade

Tracking heroin from its source in Afghanistan's remote mountains through the streets of Europe and beyond, Antoinette de Jong and Robert Knott have documented how drugs, armed conflict, transnational crime and corruption feed off each other.

FREEBIE

GET

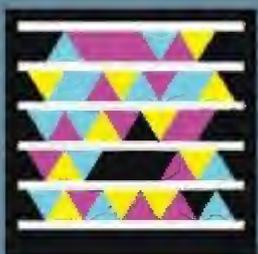
HIGH TIMES

IN YOUR INBOX



FREE WEEKLY NEWSLETTER

- ✓ GROW TIPS
- ✓ CANNABIS NEWS
- ✓ EVENTS
- ✓ CONTESTS
- ✓ AND MORE!



hightimes.com/newsletter

INCREASE SHOP SALES by offering sanitary WATER TESTINGS in your shop!

KEEP your piece CLEAN and SMOKE tasting FRESH!

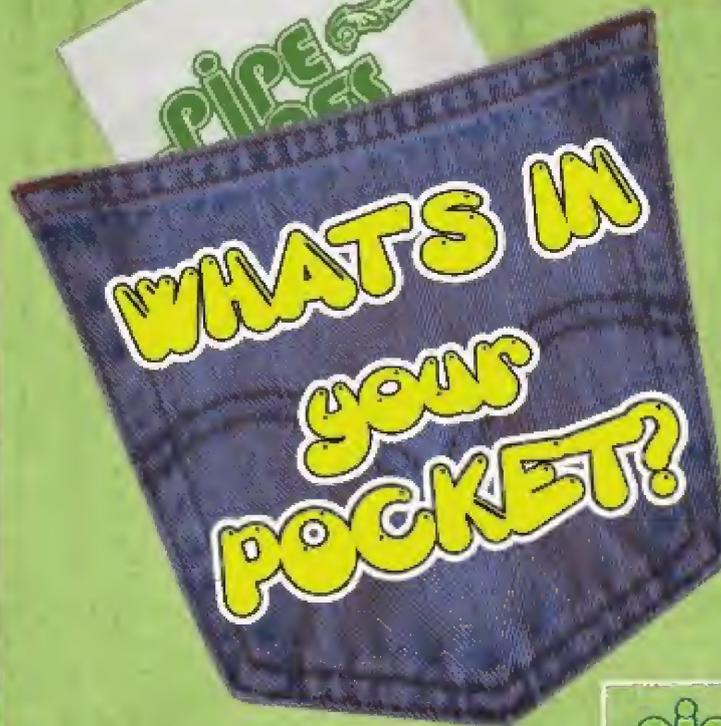
Promotes a CLEAN ENVIRONMENT at social smoking events



CHECK WEBSITE DAILY



for CONTESTS and GLASS GIVEAWAYS!



NEW PACKAGING DESIGN COMING SOON!
(easy to use towelettes)

PRE ORDER and

SAVE 15%

pipewipes.net

works great for maintaining VAPORIZORS, DABB RIG'S, HOOKAH'S, E-STICK'S all GLASS, METAL, and PLASTIC smoking devices IN A STORE NEAR YOU! see vendor list @ PIPEWIPES.NET look for us at all prop 215 events and social smoking lounges!

HIGH TIMES MARKETPLACE

To place an ad in *High Times*, contact the advertising department at (212) 387-0500

HIGHEST QUALITY
JASPEN
 NATURAL ROLLING PAPERS



Use promo code HT420 to get a free booklet when you buy three.

www.JASPENPAPERS.COM

NimBioSYS™ BIOLOGICAL INSECTICIDE
 NEEM OIL
 Anti-Feedant, Insect Repellent, Insect Growth Regulator

100% Neem Oil (3000 ppm azadirachtin) controls
 • Aphids • Beetles • Stink bugs • Caterpillars
 • Leaf hoppers • Leaf miners • Whitefly • Mealybugs
 • Midges • Spider mites • Weevils • Scale • Thrips
 Approved for use in organic gardening and farming!

Distributors Wanted!
 Contact:
 877.873.6336
 info@nimbiosys.com

Ahimsa
ORGANICS
 Pure Neem Oil (100% Organic), Karanja Oil, Neem Cake, Karanja Cake
 For Agriculture, Gardens, Greenhouses, Hydroponics
 Skin and Hair Care, Pets, Animals & more.....

OMRI LISTED
 For Organic Use

The Ahimsa Alternative, Inc. Tel. 952.943.9449/toll free 877.873.6336 www.neemresource.com

Grow Amazing Plants!
 for less than chemical fertilizers...
Outdoors. Containers. Hydroponic, too.



The Natural Alternative to Chemicals
www.ProlificPlantProbiotic.com
 952-210-7881



Experience JarHead Vaporization
jarhead@jarvapor.com
www.jarvapor.com



Marijuana is **SAFER** than Alcohol.
 Isn't it time we treat it that way?

The organization that **legalized marijuana** in Denver needs your help. Please contact us to get involved on your campus or in your area today! **Take action now.**

(303) 861-0033 mail@saferchoice.org
www.SAFERchoice.org

The GROW BUCKET

- Just add soil and seed
- Plant, plug in and grow
- 14" grow space
- Economical
- Made in the USA

\$199.00
 + SHIPPING

www.thegrowbucket.com

A **POT-SMOKING**, softball-playing, Mushroom-Growing, Rock 'n Roll, Hunter S. Thompson-type adventure



"a rollicking tale"
The Varmits: Living with Appalachian Outlaws
 By Ted Coonfield
 ISBN-13: 978-1-45673-354-4
www.thevarmits.com
 order online or at your local bookstore

GrowPhotonics



The Best and Brightest* White Led**
Grow Light, the GroPho-216
 *Brighter than a 1,000w HID
 **Continuous emission from Blue to Red (400-720 nm)

SAVE \$100.00 on a GroPho-216
 COUPON CODE: BBWLGL (Coupon Expires 5/15/13)
 Visit GroPho.com

Grow Your Own...?
 That's Easy, Buy A
PIG[®]

www.personalindoorgarden.com



TENS MUSIC

Black Sheep Beans
 2-140 King St. East
 Suite#407
 Hamilton, ON, L8N-1B2
 write for info

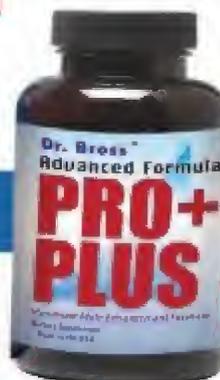
SPECIAL OFFER! FREE 6 MONTHS SUPPLY! 100% MONEY BACK GUARANTEE!

LARGER SIZE! LONGER, THICKER, FIRMER

Dr. Bross Approved Best Selling Pills. Over 35 Years Experience Helping Men Improve Their Sexual Performance.

FEATURED ON 20/20 TELEVISION. SIZE MATTERS. LENGTH AND GIRTH ARE IMPORTANT. LARGER IS MORE DESIRABLE.

Erection Size Can Be 2 To 3 Inches Bigger.



DOCTOR REVEALS THE TRUTH ABOUT MALE ENHANCEMENT

I am a sex therapist and for more than 25 years I have helped men with erectile dysfunction including size, impotency and premature ejaculation. I am offering a pill that eliminates all the effort and expense of trying to have a larger, wider and firmer penis.

CAN HELP YOU TO REACH YOUR MAXIMUM POTENTIAL SIZE.

You will have a change in length and width. Your sex partner will see and feel how thick, long and hard you are. You are much larger now and you will penetrate the most sensitive areas of the woman including her G-Spot. These sensations will produce for her multiple orgasms and give you the confidence of being a better lover.

CAN YOU HAVE LONG-LASTING RESULTS?

Every man is different and individual results will vary. The ingredients of PRO+PLUS PILLS can help you to maintain your bigger, longer lasting size. Your erection size can be 2 to 3 inches bigger and have long-lasting results when you continue to take the PRO+PLUS PILLS on a regular basis. The longer you take the PRO+PLUS PILLS you will have a longer, thicker and harder penis.

EVERYTHING MATTERS Size, Endurance, Performance

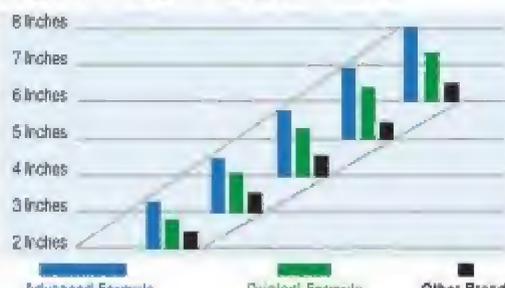
STRONGER ERECTIONS AND MAINTAINS YOUR SEXUAL VIRILITY.

PRO+PLUS PILLS are a natural, non-prescription herbal enhancement formula. We also include the same type of herbs found in Polynesia where some men have sex 3 times a night, every night. Your sexual performance can improve substantially. PRO+PLUS PILLS can help boost your sexual energy, stamina and help stop premature ejaculations.

HOW BIG IS BIG AND HOW MUCH DO YOU NEED TO SATISFY YOUR PARTNER?

Consider the difference between a 7 inch penis that is thicker and a penis that is 5 inches and narrower. A larger erect penis can penetrate more sensitive areas of the woman. A longer penis probes deeper searching those special nerve endings. The added width to your penis fills and presses her from side to side to give your partner the most exhilarating sensations.

PRO+PLUS PILLS Outperforms All Other Brands Pills And Creams. Compare The Results From Our Consumer Survey.



QUICK ABSORPTION FAST ACTING RAPID RELEASE
WHICH FORMULA IS BEST FOR YOU?

PRO+PLUS PILLS ADVANCED FORMULA

Our formula can help men with a form of HYPOSPADIAS. (HYPOSPADIAS can make a man's penis smaller) or a man with a small penis since they were young. Penis size now is less than average and need an accelerated enhancement to reach a much firmer erect penis size. Can also be used by men with a larger penis that want to take advantage of the acceleration feature and are guaranteed maximum penis enhancement.

PRO+PLUS PILLS ORIGINAL FORMULA

This formula is for men who are now 6 inches or more and want to be guaranteed maximum enhancement.

WHAT CAN PRO+PLUS PILLS DO FOR YOU?

- Erection size can be 2 to 3 inches bigger.
- Enjoy powerful, intense orgasms.
- Reduce recovery time between sexual intervals.
- Erections when you want them. Firmer, bigger erections every time.
- Because there is more blood flow, your penis is thicker and larger.
- Long-lasting results if taken continuously for 3 to 4 months and followed by a maintenance program.

100% MONEY BACK GUARANTEE!
IF YOU ARE NOT COMPLETELY SATISFIED, RETURN YOUR ORDER WITHIN 2 MONTHS AND RECEIVE A FULL 100% REFUND.

CREDIT CARD ORDERS
TOLL FREE ANYTIME

1-866-765-PILL (7455)

FAX 1-818-345-4643

www.proplusmedical.com

www.avidpromedical.com



SEND ORDER FORM AND PAYMENT TO:

AVID PRO MEDICAL dept. 36HTA
Box 1708 North Hollywood, CA 91614

CREDIT CARD ORDERS ONLY Toll Free Anytime

1-866-765-PILL (7455) or FAX 1-818-345-4643

Phone & Credit Card Orders specify PRODUCTS AND DEPT. (shown above, next to company name)

- Check Money Order Cash Visa MasterCard
 American Express Discover

CREDIT CARD NO.

EXPIRES: Month/Year CVS CODE 3-digit Security Code found on back of card or 4-digits on front of American Express

PRO+PLUS ADVANCED FORMULA

- 60 Days Supply (30 Days Plus 30 Days FREE) \$60.00 \$
- 120 Days Supply (60 Days Plus 60 Days FREE) \$110.00 \$
- 240 Days Supply (120 Days Plus 120 Days FREE) \$160.00 \$
- 360 Days Supply (180 Days Plus 180 Days FREE) \$210.00 \$

PRO+PLUS ORIGINAL FORMULA

- 60 Days Supply (30 Days Plus 30 Days FREE) \$50.00 \$
- 120 Days Supply (60 Days Plus 60 Days FREE) \$90.00 \$
- 240 Days Supply (120 Days Plus 120 Days FREE) \$130.00 \$
- 360 Days Supply (180 Days Plus 180 Days FREE) \$170.00 \$

PRO+PLUS XTREME

FREE 4-PACK WITH ANY PRO+PLUS ADVANCED OR ORIGINAL FORMULA
Please Specify Quantities

- FREE 4 Pack (4 Capsules)..... Only \$9.95 \$
- 12 Packs of 4 Capsules (48 Capsules) Only \$48.75 \$
- 144 Packs of 4 Capsules (576 Capsules) Only \$300.00 \$

SUPER FORMULAS ONLY \$25.00 EACH OR SELECT ONE FREE

WITH ANY PRO+PLUS ADVANCED OR ORIGINAL FORMULA

Select Any THREE FREE With a 240 Days Supply PRO+PLUS PILLS.

Select Any SIX FREE With a 360 Days Supply PRO+PLUS PILLS.

Please specify Quantities

- Sexdier To Excite Women..... FREE \$
- Sexdier To Excite Men FREE \$
- Attract-A-Mate to Attract Women FREE \$
- Attract-A-Mate to Attract Men FREE \$
- Ultra Perform Erection Cream FREE \$
- Super V Pills..... FREE \$

TOTAL PURCHASE: \$

CA Residents add 9% sales tax: \$
Shipping, Rush Service and Insurance \$20.00 VALUE ONLY . . . \$14.95

TOTAL ENCLOSED OR CHARGED: \$

Orders discreetly shipped with UPS or Priority Mail.

Foreign Orders - Money Order in U.S. Funds Only. Add \$25.00 S&H.

SIGNATURE (I am over 18 and agree to the terms of avidpromedical and avidpromedical.com)

NAME (print)

ADDRESS

CITY/STATE/ZIP

COPYRIGHT ©1996 PRO+PLUS is a trade name of Avid Pro Medical



PRO+PLUS XTREME IMMEDIATE FIRM ERECTIONS FOR THE MAN WHO WANTS IMMEDIATE RESULTS

Can Work In 30 Minutes. Effective Up To 36 Hours.

For men who want to improve their sexual performance and enhance erection firmness. Intense Erections, Incredible Orgasms, Increase Sensitivity, Arousal and Sexual Stamina. Dynamic staying power. Greater Self-Confidence. 100% Natural. Frequent and longer lasting intimacy. Take your partner to new levels of satisfaction. You can have longer, firmer erections and stronger climaxes. Carry the PRO+PLUS XTREME handy 4 pack with you all the time.

BE READY ANYTIME.

MORE DOCTOR APPROVED SUPER FORMULAS

SPECIAL OFFER! \$25.00 EACH OR FREE WITH ANY PRO+PLUS ADVANCED OR ORIGINAL FORMULA.

SEXICITER FOR WOMEN MAKES WOMEN DESIRE SEX!

Can be taken by mouth or put in any liquid without detection, but you should get her permission. She will become excited and desire you.

Our SEXICITER FOR MEN can help increase the male sex drive.

SEXICITER TO EXCITE WOMEN: 130 doses.

Reg. \$49.95 NOW ONLY \$25.00

SEXICITER TO EXCITE MEN: 130 doses.

Reg. \$49.95 NOW ONLY \$25.00

SEXUALLY ATTRACT WOMEN WITH ATTRACT-A-MATE!

Used like cologne or aftershave the Pheromone fragrance drives women to you and makes you irresistible. You will ignite her wildest desires. It's done by scent alone, you don't have to say a word. Only you know the secret. You will be amazed how women will become passionate.

ATTRACT-A-MATE to attract women.

40 applications Reg. \$49.95 NOW ONLY \$25.00

ATTRACT-A-MATE to attract men.

40 applications Reg. \$49.95 NOW ONLY \$25.00

ULTRA PERFORM ERECTION CREAM

(apply directly to the penis)

Can help increase blood flow to the penis for harder, thicker powerful erections. Heightens sensations with intense orgasms.

Can help increase your sexual performance and help stop premature ejaculations.

ULTRA PERFORM ERECTION CREAM

2oz. Jar. Reg. \$49.95 Now only \$25.00.

SUPER V PILLS FOR MEN

The Natural alternative that will give you harder, longer lasting throbbing erections. SUPER V Pills makes it possible for you to obtain and maintain a super hard erection. Young or old you can have rock hard erections and stronger climaxes. Can help stop pre-mature ejaculations and reduce the recovery time between sexual intervals. Super V supercharges the body to restore sexual virility. Take your partner to new levels of sexual satisfaction.

30 Pills. Reg. \$49.95. NOW ONLY \$25.00

CLASSIFIEDS

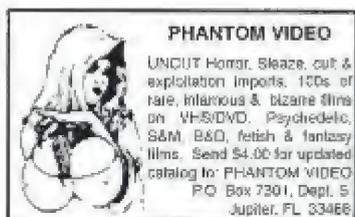
To place a classified ad in *High Times*, contact the advertising department at (212) 387-0500

MERCHANDISE



ICE-O-LATOR & POLLINATOR
For the original sieve systems
Used by HT cup winners
Pollinator Company www.pollinator.nl
Tel 003120 4709889 Fax 003120 4715242

www.RealKava.com
4:30 Kava Time



PHANTOM VIDEO
UNCUT Horror, Sleaze, cult & exploitation imports, 100s of rare, infamous & bizarre films on VHS/DVD. Psychedelic, S&M, B&D, fetish & fantasy films. Send \$4.00 for updated catalog to: PHANTOM VIDEO, P.O. Box 7301, Dept. 5, Jupiter, FL 33468

Stimulants

357-Magnums \$19.99 Yellow Jacked \$21.99 Black Magic \$9.99 Detox Diet Herbs Sleep Aids Vitamins Order On Line from MegaLowSales.com

MarijuanaDomainNamesForSale.com

Geographic Marijuana Hydroponic Domains BerkeleyHydroponics.com DallasMarijuana.com Hundreds more! Jeff@WholesaleNames.com

WyrelessAlert.com

24/7 monitoring for trespassers and intruders to your cell phone—no third party or monthly fees.

Pureorganichoneyoilbible.com

Connoisseur honey oil secrets revealed. Send \$10 mo. to Great Grandpappy Abrams, 3883 Bennett Rd., Suite 5, Cincinnati, Ohio 45245

Experience Salvia

A variety of brands and potent extracts. We also carry herbal incense blends Spirit and Puff. Low Prices. Call 219-588-4204.

Metal Tobacco Pipes

Assorted designs. Send SASE to Behind The Lite, 7304 Carroll Avenue #124, Takoma Park, MD 20912

Herbalsmokeshop.com

100% Legal Bud. Mood enhancement pills and aphrodisiacs. Flavored papers, blunt wraps, huge online smoke shop.

Got Lighters?

Custom Imprinted Lighters & More! LogoLighters.com/promo. 800-828-6020

www.fsbookco.com

Marijuana Books & DVD's Wholesale and Retail Since 1985! 916-771-4203

GROW AIDS

CannabisWormTea.com

Grow monster plants organically. Indoor garden Winter Sale!

Utah Devil Dirt

Goat and Sheep manure composted naturally over many years. 801-550-0643. Ask for the Horseshoer.

Experienced Indoor Horticulturalist

For Sale ultimate luxury growing area. Newly remodeled 3 bed 2 bath home on 1/3 acre irrigated, lush landscape. With 800 sq ft heated air-conditioned workshop. Secure entrance, gated. Previous production shop. 9'x8'x25' hidden safe room with bank vault door. Fire and theft proof. Phoenix, AZ

Hydroponics

Complete 9 Plant system \$190.00. Adjustable size from closet to filling bedroom. (817) 573-5220. turbofarms.com

Howe's Organic

Organic worm castings fertilizer, great for strong plants. howesfarm.com

Avoid Grow Room Detection

Heat Bloom Eliminator. Field Guide \$19.95. (863) 969-6930

REAL ESTATE

HUGE POTENTIAL

10-acre ranch 15 miles east of Redding, California. 90'x50x16 high, insulated shop e/z to convert to multi level. 24'x30' shop with grow roof (high yield). Newer 3x manufactured home w/2 car garage & swimming pool. Two 12'x16' out buildings both have power and water. Newer mid-size tractor w/implements w/asking price of 500,000 owner can carry some. Lease possible. goot44@gmail.com

Three "215" properties

(2) 1.5 hrs North LA, (1) 42 acres No. CA. Details: nicksal215@gmail.com. Can finance. (661) 765-2603.

Negril Jamaica Villa For Sale

Beautiful, \$750,000 US. 575-613-2533.

Business Opportunity!

2.5-acre working hydroponic veggie farm with 50,000 sq. ft. of greenhouses, packing house & equipment. Two-story house with 4 bedrooms, 2 baths.

California Land 4 Sale -- Sierra Foothills

4/20 acre parcels near I-80 w/wells private. Starting 300k each. Owner financed. (530) 389-2345.

Mississippi River Tract

Arkansas Duck Deer Clubs on Navigable Rivers wildlifeproperties.com 501-278-1865

Nevada Private 4.77 Acres

3 Bedroom Home. New Quonset Hut 30'x40'. Concealed Underground Growroom. All Equipment Needed. Close to Reno. 775-315-7431

Colorado 5-Acre \$29,000

Must sell/ very private, off grid. Minutes to air field, lake, town. Spectacular mtn views. 808-652 2159.

2-Acre Herb Farm

1 hr from Las Vegas. Well. generator. orchard. Large Home/Garage. \$175,000 (702) 723-1275

For Sale By Owner

Big Island of Hawaii - Puna District One of the most fertile and productive growing areas in the US. Lush and green, easy access. NO CREDIT CHECK - NO QUALIFYING. Call toll-free (800)715-5263. myeranch.com

FINANCIAL

www.MarijuanaMisc.com

For sale \$5,000 through Escrow.com. Dale@Brokersofinsurance.com

Make \$20,000+ Per Month

Ground floor opportunity. Distribute revolutionary new High Potent Herb Pills to Head Shops, Music, Body Piercing, Tattoo, Adult stores, etc. Areas going fast. \$1,000 minimum investment. theherbconnect.com

Easy Work! Excellent Pay!

Assemble Products From Home. For Free Information Send SASE: Home Assembly-HT, Box 450, New Britain, CT 06050-0450

Do You Have Old Debts?

Never Pay Back The Full Amount!!! 1-800-808-5205 globaldebtinc.com

Credit Problems?

24-hr recorded message. Call 248-262-6818. Ad#155

TRAVEL

ROAD TRIP

We're looking for 18-25 adventurous adults to work / travel entire US. We offer 4 weeks paid training. Cash plus bonuses daily. No experience necessary. If you are enthusiastic and free to travel call 1-800-949-1038.

ACTIVISM

Citizens Justice Association

Abused by bad judges, lawyers and cops? Don't like the war on drugs? You'll like the Citizens Justice Association. We train people to challenge legal and government abuse. Free Info: Citizens Justice Association, Box 390979, Cambridge, MA 02139

ADULT

Adult DVDs

10/\$89.95 "COD" FREE CATALOG! "GUARANTEED" 203-419-6269 18+

ADULT



NASTY GIRLS!
No Connect Fee
HARDCORE LIVE 1-ON-1
1-800 572-8999



REAL LOCAL GIRLS!
Wanna Get Naughty With You Right Now!!!
Try It FREE!
1-800-870-9333

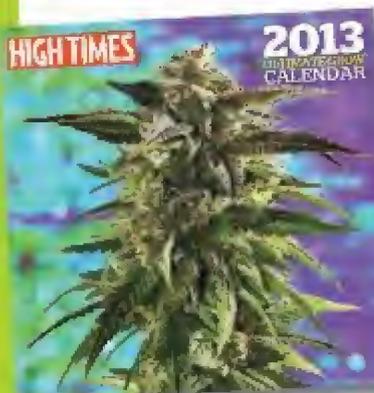


HORNY LOCAL GIRLS!
OVER 10,000 REAL LOCAL GIRLS CALL DAILY!
TRY IT FREE!
1-800-953-WEED
1-900-226-9966 \$1.25 MIN 9333 18+



HOT 25¢ SEX ACTION
1-800 970-6669

Featured Products



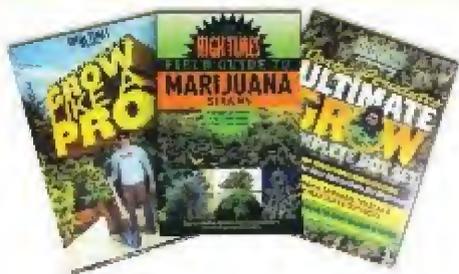
2013 Ultimate Grow Calendar
High Times is proud to offer the Ultimate Grow Calendar. Packed with monthly summaries and daily grow tips, this calendar aims to keep you on track, whether you're growing indoors or outside. **\$13.99**



HIGH TIMES Presents Nico Escondido's Grow Like a Pro DVD
Featuring over two hours of comprehensive cultivation coverage and bonus material, this HD-film features footage of America's top medical grow facilities, indoor and outdoor-growing and greenhouse techniques. **\$19.95**



Official HIGH TIMES Bonghitters Jersey
Show your pot pride by sporting the same shirts worn by the legendary High Times Bonghitters Softball team. Sizes: S-XXL. **\$19.95**

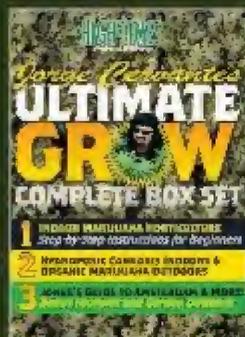


HIGH TIMES Cultivation Editors' Combo Pack
Set includes Jorge Cervantes' *Ultimate Grow Box Set*, Nico Escondido's *Grow Like a Pro*, and Danny Danko's *Field Guide to Marijuana Strains*. An \$85 value for only **\$69.99!**

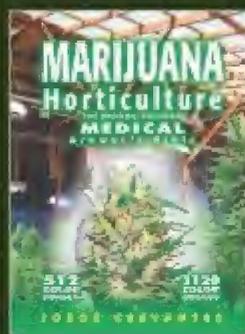


Back Issues of HIGH TIMES
Lots of issues available! HIGH TIMES: **\$5.99**; Best Of HIGH TIMES: **\$6.99**; HIGH TIMES: Medical Marijuana: **\$5.99**

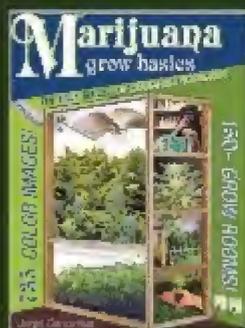
Classics from master grower Jorge Cervantes



Ultimate Grow DVD Complete Box Set
Three-disc DVD box set includes *Ultimate Grow: Indoor Marijuana Horticulture*, and *Ultimate Grow 2: Hydroponic Cannabis Indoors & Organic Marijuana Outdoors*. Plus a full disc of bonus features! **\$49.95**

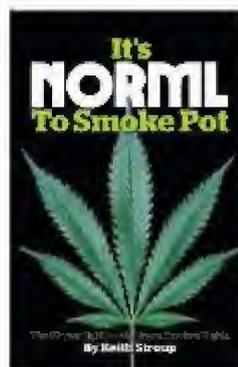


Marijuana Horticulture
The Fifth Edition of Jorge Cervantes' best-selling book, completely rewritten, updated and expanded! **\$29.95**

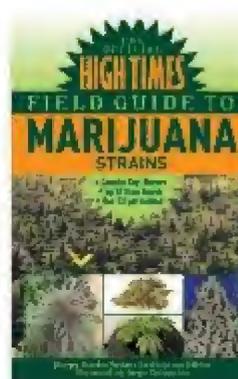


Marijuana Grow Basics
This informative guide is packed with illustrations and photos of more than 150 affordable marijuana grow setups. **\$21.95**

High Times Books



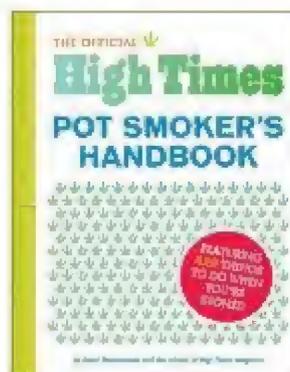
It's NORML To Smoke Pot: The 40-Year Fight For Marijuana Smokers' Rights
By Keith Stroup
The story of NORML, the oldest and most effective organization dedicated to the reform of marijuana laws, told by its founder and leader. If you believe in the principle of civil liberties, then Keith Stroup is a true American hero. **\$14.99**



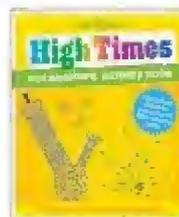
The Official HIGH TIMES Field Guide to Marijuana Strains
By Danny Danko
This cannabis compendium covers the world's top pot varieties—all meticulously researched and lovingly described in terms ranging from odors and flavors to potency levels and medicinal properties. **\$14.95**



The Official HIGH TIMES Cannabis Cookbook
by Elise McDonough
Go way beyond the brownie and master your munchies with over 50 recipes for stoner cuisine that will get you high—including recipes inspired by Cheech and Chong, Snoop Dogg and Willie Nelson. **\$19.95**



The Official HIGH TIMES Pot Smoker's Handbook
by David Bienenstock
This handbook rolls up all of our collected wisdom into one indispensable ganja guide. With a life-changing list of 420 things to do when you're stoned, this is truly the ultimate guide to green living. **\$19.95**



The Official HIGH TIMES Pot Smoker's Activity Book
by Natasha Lewin
Smoke, play, laugh and learn all at the same time! Packed with puzzles, games, mazes, and jokes. It's what to do when you're stoned! **\$16.95**

The POT40

YO, OHBE, I GOT SOME WEED THAT UNEL KNOCK YOUR SECKS OFF!

WE BE FLVIN' SOON!

OOH, HONEY, HURRY ON OVER AND LETS DO IT!

YOU GOT THAT RIGHT!

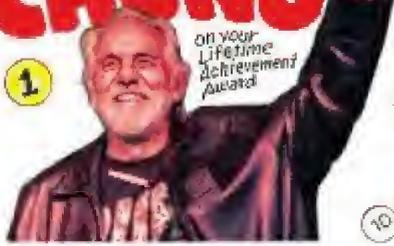
Submit your ideas by email to: pot40@hightimes.com

Congrats

TOMMY CHONG

1

on your Lifetime Achievement Award



Jen's Music Stash

hightimes.com/mestash

8 FallPals



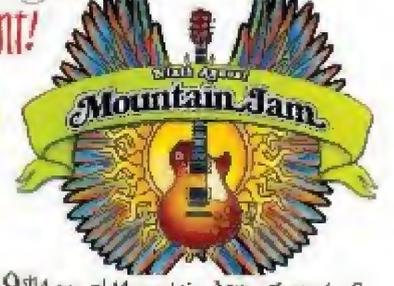
19 REDMAN AND THE GAME GETTING HIGH IN L.A.!

LED ZEPPELIN

The critics hated them but the kids said different

30 Take the JENGA DAB-Challenge

31 Get high on a mountain!



9th Annual Mountain Jam - June 6-9

32 Either VOTE OR GET OFF THE POT!!

33 Hosco Press for



DEAD KENNEDYS

36 Check out Cosmic Darren's new book!



35 MIND YOUR OWN BUSINESS!

DUNE RATS

Australia's highest!

39 smoke 2 joints at 8:40

WAKE BAKE

"TWO BOWLS FOR BREAKFAST, NEITHER WERE CEREAL"



38

40

Vortex

The sickest weed in TN

DABS AUS

ALL THE SALSAS

Free Weed

MAD DAB

Extractors

Let's go to Benihana!

Grow

Your own Gorgeous Ganja

Get CONNECTED

thecaliconnectionltd.co.uk

LEGALIZE

HANDS ON A HARD BODY

TOUG WRIGHT, LAMARDA GREEN, TELY ANASTASHO, AMANDA GREEN

DabbedOut

Some Girls Get High

VAPXhale

Mmmmmmedibles

T-BONE BOO BOO

S!AOW!S MOOSE NEMASKA GE

FLICK SPIDER MITES

Dune Rats

WAKE BAKE

FREE Eddy Lepp!

Dab discreetly with Cloud Vape Pens

Recreate or medicate

Godfather

OG

SUPPORT OUR TROOPS!

Weed is great for PTSD

Joint

THE BEST RESTAURANT IN OB!!

Joint

Joint

Joint

Joint

What would you like to see on the Pot 40? Write your ideas on this ballot and mail to:

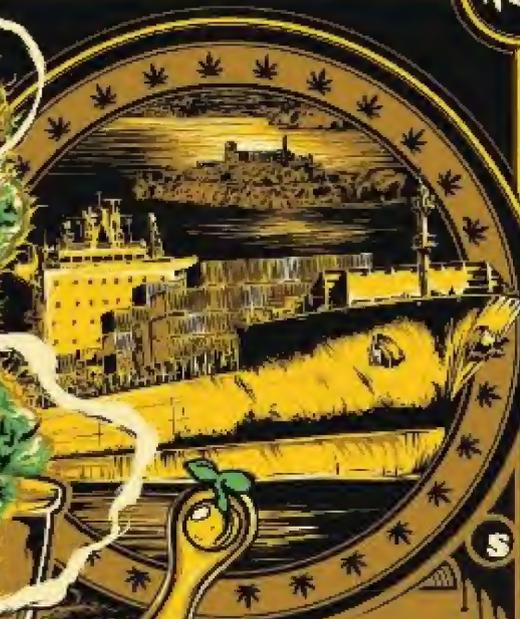
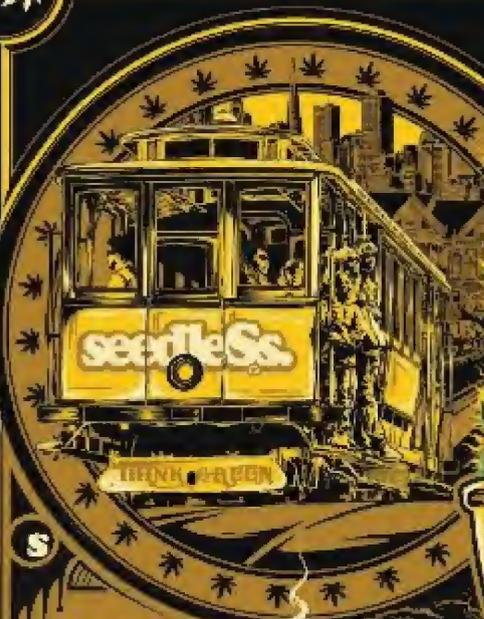
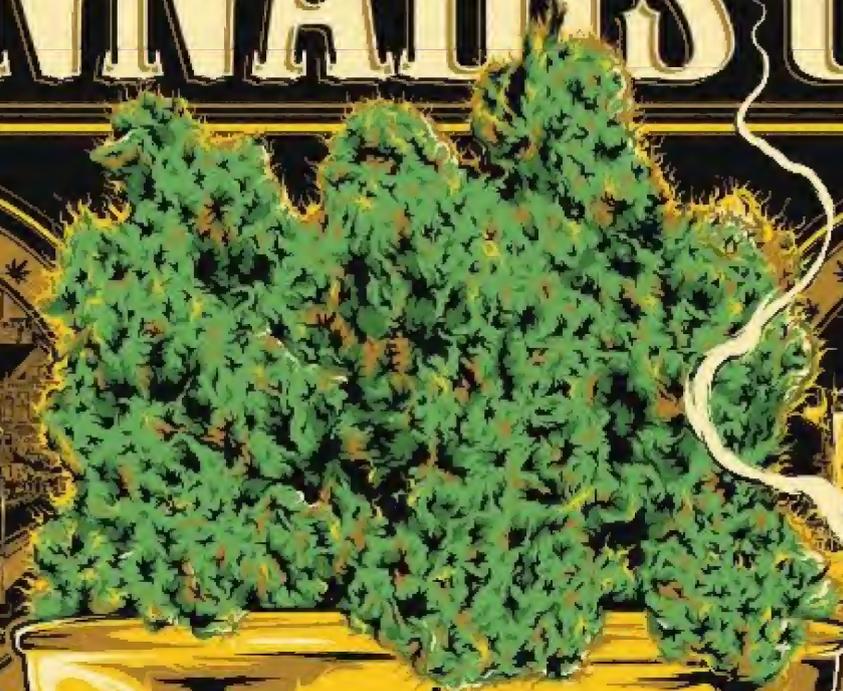
HIGH TIMES
Pot 40—Suite 920
250 West 57th
New York City, NY 10107

[Red dashed box for writing ideas]

HIGH TIMES

PRESENTS THE MEDICAL

CANNABIS CUP



EXPO
SEMINARS
COMPETITION
MUSIC
& PARTIES!

22
JUNE 2013
23



FOR TICKETS
VISIT MEDCANCUP.COM

SAN FRANCISCO

CRANEWAY PAVILION, RICHMOND, CA

FEATURING MUSICAL PERFORMANCES TO BE ANNOUNCED!

DH

WHICH SEED COMPANY IS PREFERRED
BY THE INDUSTRY'S BIGGEST GROWERS?
The seed company dedicated
to serving EVERY grower:

BC Bud Dep

GIRL SCOUT COOKIE

FEMINIZED SEEDS

NOW AVAILABLE



MAIL ORDERS:
SEND CASH OR BLANK
MONEY ORDERS TO:
GFS INDUSTRIES
2-140 KING ST EAST
SUITE# 407
HAMILTON, ON
CANADA L8N1A9

BCBDV

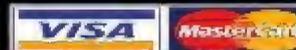
CSG

0+0+0



BC Bud

DISCREET WORLDWIDE DELIVERY

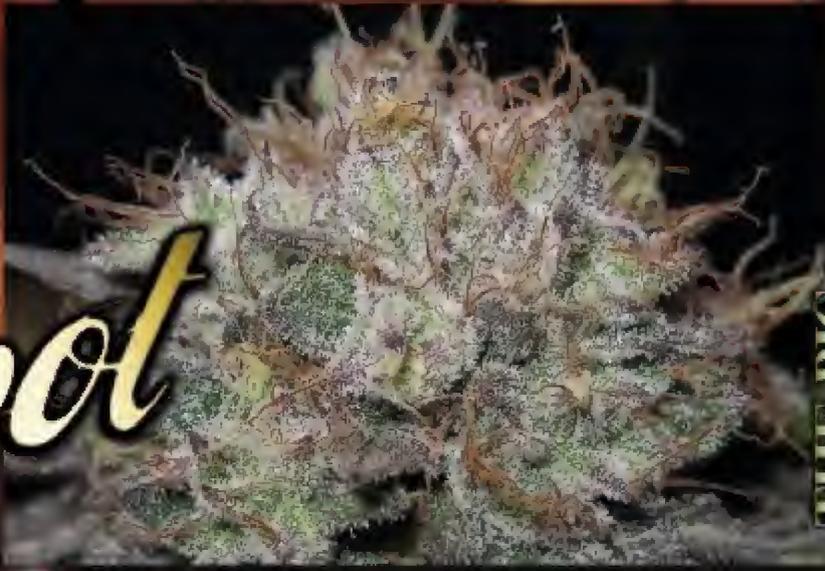


ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD

not

S

E!



THE BIG



BC GOD BUD

ORDER SECURELY
ONLINE, BY PHONE
OR BY MAIL

Depot

1-888-40-BCBUD

WWW.BCBUDDDEPOT.COM

SEED LIST

PRICES PER 12-SEED PACK
INDOOR / OUTDOOR

- BC GOD BUD - \$90
- THE PURPS - \$90
- SWEET GOD - \$75
- BC MANGO - \$75
- THE BLACK - \$75
- BC BLUEBERRY - \$75
- THE BIG - \$75

- SHIATSU KUSH - \$75
- SWEET ISLAND SKUNK - \$75
- BC SWEET TOOTH - \$75
- BC CHEESE - \$75
- 707 HEADBAND - \$75
- LEMON OG 18 - \$75
- BC HASH PLANT - \$75
- BLUE BUDDHA - \$75
- JACK HERER - \$75
- NORTHERN LIGHTS - \$75
- BC ROCK STAR - \$75
- BC KUSH - \$60
- PURPLE BUDDHA - \$60

- INDOOR
- AMNESIA HAZE - \$75
- BC CHRONIC - \$75
- UBC CHEMO - \$75
- WHITE WIDOW - \$75
- ALBINO RHINO - \$60
- BC BIG BUD - \$60
- BURMESE - \$60
- WILLIAMS WONDER - \$60
- INDOOR MIX - \$50

- OUTDOOR
- BC PINEWARP - \$75
- OUTDOOR MIX - \$50
- TEXADA TIMEWARP - \$75

- FEMINIZED
- BC GOD BUD - \$150
- THE PURPS - \$150
- ORIGINAL BLUEBERRY - \$150
- BC HASH PLANT - \$125
- JACK HERER - \$125
- SKUNK #1 x NL - \$125
- SWEET DREAMS - \$125
- CINDERELLA 99 - \$125
- STRAWBERRY COUGH - \$125
- GIRL SCOUT COOKIES - \$125

- AUTO FLOWERING
- LOWRYDER #2 - \$125



Award Winner
All Female

GROW SAFE WITH POWERBOX HYDROPONICS LIGHTING CONTROLLERS!

Installing the proper electrical system is the most important factor when setting up your hydroponics garden!

Cutting corners can lead to disastrous consequences, such as fire, serious injury, or worse. A POWERBOX provides the ultimate in safety, reliability, cost-savings, and speed-of-deployment. Hand-made in California by skilled craftsmen, every POWERBOX is an individual work of art. Designed for growers like you, when you are going to do it right, POWERBOX is your only choice!

- **ULTIMATE SAFETY & PROTECTION**
- **QUICK INSTALLATION**
- **RELIABLE OPERATION**



- **AVOID GROW ROOM FIRES**
- **PREVENT ELECTROCUTION**
- **MODELS FOR ALL GARDEN SIZES**



INCREASE PRODUCTIVITY & YIELDS WITH A **FLIPBOX**® by POWERBOX®



MODELS FOR ALL GARDEN SIZES!

When it comes to maximizing production, there is no better choice than a **FLIPBOX!**

A typical flowering room has lights running for only 12 hours per day. When the lights go off, the ballasts sit idle for 12 hours. By adding a **FLIPBOX** to the equation, when the first cycle ends, the ballast output is switched to another set of lights in a second bloom room, so you can keep growing, 24/7. This allows you to double your light output with the same set of ballasts, on the same electrical circuits.

- **DOUBLE PRODUCTION**
- **INCREASE YIELDS**
- **SAVE MONEY**
- **AVOID NEW WIRING**

Send your address to grow@powerboxinc.com and we'll mail you our

FREE 32 PAGE CATALOG AND INSTALLATION GUIDE!

Or View it now at WWW.POWERBOXINC.COM



Made in California